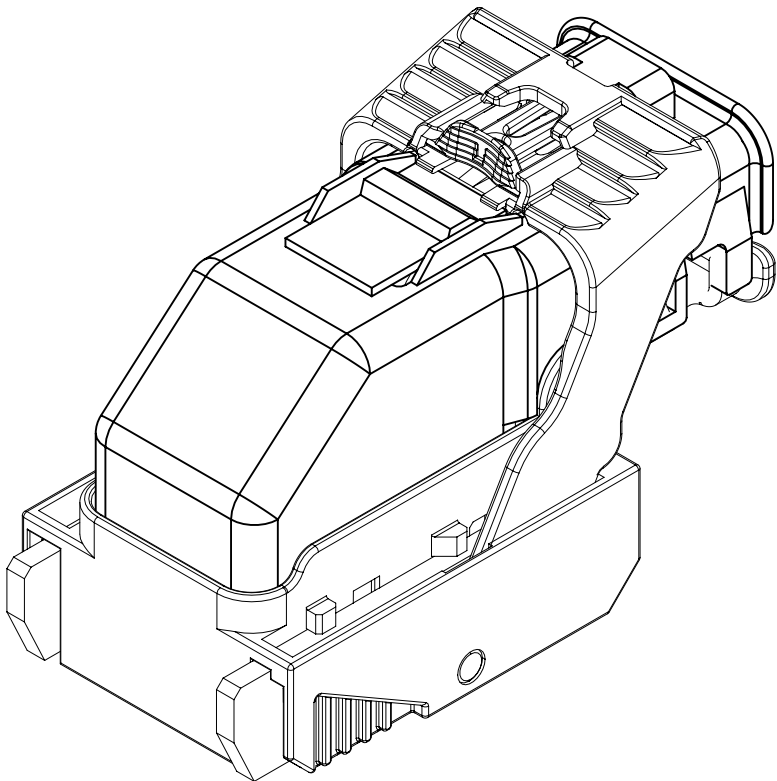


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ISO VIEW

		THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.5M-1994 AS AMENDED BY THE GM GLOBAL DIMENSIONING AND TOLERANCING ADDENDUM - 2004.			
		DATE			
 CHANGE RESTRICTED NO MANUAL CHANGES	REFERENCE 12H (MOLEX AUTOMOTIVE)	DRAFTER	D. KOEHLER	28AP15	
		APVD1	M.R. OOSTERINK	29AP15	
		APVD2	J. SWARTZ	29AP15	
		APVD3	G. FLECK	08MY15	
		APVD4			
DO NOT SCALE		APVD5			
METRIC DIMENSIONS SHOWN IN MILLIMETERS UNLESS OTHERWISE SPECIFIED	DRAWING NAME HARNESS CONN ASM-SEALED 18/49/56 CKTS, MX123				
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		R	001		

PAGE	DWG STATUS					REVISION HISTORY	AUTH	DR	CK	ENG
	DATE	ST	REV	CHG	PDI					

PAGE	DWG STATUS					REVISION HISTORY	AUTH	DR	CK	ENG
	DATE	ST	REV	CHG	PDI					
	08MY15	R	001			RELEASED TO PRODUCTION AT DLS A	CRMRJD	DFK	MRO	GF

				KEY PRODUCT CHARACTERISTICS (IN ACCORDANCE WITH QN 1805 OR QN 1050)							
				⊖ SAFETY/COMPLIANCE ◇ FIT/FUNCTION			TOTAL ON DRAWING	5			
							LAST NO. USED	5			
				NO	TYPE	DESCRIPTION	RATIONALE		PAGE/ZONE		
				1	F/F	32.68	IMPROVE CONNECTOR SYSTEM MATING		16		
2	F/F	29.00	INSURE PROPER RELEASE OF LEVER		16						
3	F/F	15.25	INSURE FINAL MATE POSITION		17						
5	F/F	POSITIONAL TOLERANCE (2 PLACES)	INSURE CONNECTOR SYSTEM MATIBILITY		20						
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					APPLICABLE COMPONENTS					
FIG.	MFG.	MFG. P/N	GM P/N	Effective Date	DESCRIPTION	Key Option	Wire Dress Option	Key Config.	Color	Status
1	Molex	34575-0003	12582679	02JN03	WIRE HARNESS COVER	N/A	NA	N/A	BLACK	AVAILABLE
2	Molex	34576-0103	12666118	31JL15	HARN CONN ASM 49 CKT	A	0	1458	BLACK	ACTIVE
3	Molex	34576-0203	12650786	T.B.D.	HARN CONN ASM 49 CKT	B	0	1468	ST GRAY	NOT ACTIVE
4	Molex	34576-0303	12666120	31JL15	HARN CONN ASM 49 CKT	C	0	2467	BLUE	ACTIVE
5	Molex	34576-0403	12615660	T.B.D.	HARN CONN ASM 49 CKT	D	0	2367	BROWN	NOT ACTIVE
6	Molex	34576-0503	12615661	T.B.D.	HARN CONN ASM 49 CKT	E	0	2468	GREEN	NOT ACTIVE
7	Molex	34576-0603	12615662	T.B.D.	HARN CONN ASM 49 CKT	F	0	1357	NATURAL	NOT ACTIVE
8	Molex	34576-0703	12582680	11JN04	HARN CONN ASM 56 CKT	G	0	1358	BLUE	AVAILABLE
9	Molex	34576-0803	12582681	11JN04	HARN CONN ASM 56 CKT	H	0	2458	ST GRAY	AVAILABLE
10	Molex	34576-0903	12615658	T.B.D.	HARN CONN ASM 56 CKT	J	0	2457	BLACK	NOT ACTIVE
11	Molex	34576-1003	AVA77166	T.B.D.	HARN CONN ASM 56 CKT	K	0	2357	BROWN	NOT ACTIVE
12	Molex	34576-1103	AVA77167	T.B.D.	HARN CONN ASM 56 CKT	L	0	2368	GREEN	NOT ACTIVE
13	Molex	34576-1203	AVA77168	T.B.D.	HARN CONN ASM 56 CKT	M	0	2358	NATURAL	NOT ACTIVE
14	Molex	34576-1303	12666119	31JL15	HARN CONN ASM 49 CKT	A	9	1458	BLACK	ACTIVE
15	Molex	34576-1403	12650787	T.B.D.	HARN CONN ASM 49 CKT	B	9	1468	ST GRAY	NOT ACTIVE
16	Molex	34576-1503	12666121	31JL15	HARN CONN ASM 49 CKT	C	9	2467	BLUE	ACTIVE
17	Molex	34576-1603	12615663	T.B.D.	HARN CONN ASM 49 CKT	D	9	2367	BROWN	NOT ACTIVE
18	Molex	34576-1703	12615664	T.B.D.	HARN CONN ASM 49 CKT	E	9	2468	GREEN	NOT ACTIVE
19	Molex	34576-1803	12615665	T.B.D.	HARN CONN ASM 49 CKT	F	9	1357	NATURAL	NOT ACTIVE
20	Molex	34576-1903	12603600	11JN04	HARN CONN ASM 56 CKT	G	9	1358	BLUE	AVAILABLE
21	Molex	34576-2003	12603601	T.B.D.	HARN CONN ASM 56 CKT	H	9	2458	ST GRAY	NOT ACTIVE
22	Molex	34576-2103	12615659	T.B.D.	HARN CONN ASM 56 CKT	J	9	2457	BLACK	NOT ACTIVE
23	Molex	34576-2203	AVA77192	T.B.D.	HARN CONN ASM 56 CKT	K	9	2357	BROWN	NOT ACTIVE
24	Molex	34576-2303	AVA77193	T.B.D.	HARN CONN ASM 56 CKT	L	9	2368	GREEN	NOT ACTIVE
25	Molex	34576-2403	AVA77143	T.B.D.	HARN CONN ASM 56 CKT	M	9	2358	NATURAL	NOT ACTIVE
26	Molex	34851-0007	12644156	31AU15	HARN CONN ASM 18 CKT	G	0	1358	BLUE	ACTIVE
27	Molex	34851-0008	12644158	31AU15	HARN CONN ASM 18 CKT	H	0	2458	ST GRAY	ACTIVE
28	Molex	34851-0019	12644157	31AU15	HARN CONN ASM 18 CKT	G	9	1358	BLUE	ACTIVE
29	Molex	34851-0020	12644159	31AU15	HARN CONN ASM 18 CKT	H	9	2458	ST GRAY	ACTIVE
30	Molex	34736-2002	12642697	01AU10	MX64 RCPT TERM Ag 18/20 GAGE B (RIGHT PAYOFF)	N/A	N/A	N/A	N/A	AVAILABLE
31	Molex	34736-2001	12642696	01AU10	MX64 RCPT TERM Ag 22 GAGE B (RIGHT PAYOFF)	N/A	N/A	N/A	N/A	AVAILABLE
32	Molex	34586-0001	T.B.D.	11JN04	MX123 0.64MM GROMMET PLUG	N/A	N/A	N/A	NATURAL	AVAILABLE
33	Yazaki	7116-4150-02	12588066	02JN03	2.8mm YESC SEALED FEMALE TERMINAL TIN 20/22 GAGE (CABLE RANGE 0.30mm-0.60mm)	N/A	N/A	N/A	N/A	NOT ACTIVE
34	Yazaki	7116-4151-02	12588067	02JN03	2.8mm YESC SEALED FEMALE TERMINAL TIN 16/18 GAGE (CABLE RANGE 0.75mm-1.40mm)	N/A	N/A	N/A	N/A	NOT ACTIVE
35	Yazaki	7116-4152-02	12582685	02JN03	2.8mm YESC SEALED FEMALE TERMINAL TIN 14 GAGE (CABLE RANGE 1.50mm-2.50mm)	N/A	N/A	N/A	N/A	AVAILABLE
36	Yazaki	7158-3111-60	12588068	02JN03	2.8mm CABLE SEAL (wire O.D. range 1.20mm-1.90mm)	N/A	N/A	N/A	GREEN	NOT ACTIVE
37	Yazaki	7158-3112-70	12588069	02JN03	2.8mm CABLE SEAL (wire O.D. range 1.80mm-2.30mm)	N/A	N/A	N/A	YELLOW	NOT ACTIVE
38	Yazaki	7158-3113-40	12582686	02JN03	2.8mm CABLE SEAL (wire O.D. range 2.18mm-3.00mm)	N/A	N/A	N/A	WHITE	AVAILABLE
39	Yazaki	7158-3114-90	T.B.D.	02JN03	2.8mm YESC CAVITY PLUG	N/A	N/A	N/A	BLUE	AVAILABLE
40	FCI	33140138	12646399	10JA14	6.35mm APEX RCPT TERM Sn/Ag GRIP CODE-10 (6mm2) - Greased	N/A	N/A	N/A	N/A	AVAILABLE
41	FCI	33140135	12654556	10JA14	6.35mm APEX RCPT TERM Sn/Ag GRIP CODE-TBD (1mm2) - Greased	N/A	N/A	N/A	N/A	AVAILABLE
42	QSR	A-0549C	12646688	01SE14	6.35mm CABLE SEAL (FOR 6.0mm2 WIRE SIZE - 3.6 TO 4.2mm INSULATION OD)	N/A	N/A	N/A	WHITE	AVAILABLE
43	QSR	A-0549B	12654557	01SE14	6.35mm CABLE SEAL (FOR 0.75-1.25mm2 WIRE SIZE - 1.8 TO 2.3mm INSULATION OD)	N/A	N/A	N/A	BLUE	AVAILABLE
44	Molex	63811-4200	XX019825	02JN03	MX64 TERM HAND CRIMP TOOL	N/A	N/A	N/A	N/A	AVAILABLE
45	Molex	63813-1400	XX019826	02JN03	MX64 TERM SERVICE TOOL	N/A	N/A	N/A	N/A	AVAILABLE
46	Molex	63865-8000	XX019827	02JN03	MX64 CRIMP APPLICATOR with TOOL KIT 18/20 GAGE PAYOFF DIRECTION D (left payoff) (contact Molex for payoff detail)	N/A	N/A	N/A	N/A	AVAILABLE
47	Molex	63865-8070	XX019828	02JN03	MX64 APPLICATOR TOOL KIT 18/20 GAGE	N/A	N/A	N/A	N/A	AVAILABLE
48	Molex	63865-8100	XX019829	02JN03	MX64 CRIMP APPLICATOR with TOOL KIT 22 GAGE PAYOFF DIRECTION D (left payoff) (contact Molex for payoff detail)	N/A	N/A	N/A	N/A	AVAILABLE
49	Molex	63865-8170	XX019830	02JN03	MX64 APPLICATOR TOOL KIT 22 GAGE	N/A	N/A	N/A	N/A	AVAILABLE
50	SPX	J35616-64	T.B.D.	02JN03	0.64mm PROBE TOOL (for rcpt)	N/A	N/A	N/A	N/A	AVAILABLE
51	SPX	J35616-64A	T.B.D.	02JN03	0.64mm PROBE TOOL WITH EXT (for rcpt)	N/A	N/A	N/A	N/A	AVAILABLE
52	SPX	J35616-65	T.B.D.	02JN03	0.64mm PROBE TOOL WITH EXT (for pin)	N/A	N/A	N/A	N/A	AVAILABLE
53	SPX	J35616-4A	T.B.D.	02JN03	2.8mm PROBE TOOL (for rcpt)	N/A	N/A	N/A	N/A	AVAILABLE
54	YAZAKI	X39899-J374	12094430	02JN03	2.8mm TERM SERVICE TOOL	N/A	N/A	N/A	N/A	AVAILABLE
55	TQI	7000-1001	N/A	01FE15	18CKT PASS THROUGH ADAPTERS	N/A	N/A	N/A	BLACK	AVAILABLE
56	TQI	7000-1004	N/A	01FE15	49CKT PASS THROUGH ADAPTERS	N/A	N/A	N/A	BLACK	AVAILABLE
57	TQI	79917-0060	N/A	02JA08	56CKT PASS THROUGH ADAPTERS	N/A	N/A	N/A	BLACK	AVAILABLE
58	Molex	63813-1500	J-38125-217	01SE14	6.35mm APEX TERM SERVICE TOOL	N/A	N/A	N/A	N/A	AVAILABLE

* MX123 WIRE HARNESS COVER
MATES TO ANY 18/49/56 CKT
MX123 HARN CONN ASSY
SHOWN ON THIS TABLE

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NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL FOR INTERFACE:

- A. RESIN:

1. 30% G.F. PBT; 20% MAX. (BY WEIGHT) REGRIND.

2. MATING CONNECTOR INTERFACE PART COLOR MUST BE SAME AS MATCHING KEYED HARNESS CONNECTOR ASSEMBLY.

3. MUST BE VALIDATED FOR INDIVIDUAL DEVICE APPLICATION REQUIREMENTS.
- B. 0.64MM PINS:

1. BASE MATERIAL: COPPER ALLOY; CONDUCTIVITY >= 28% IACS AT 20°C; TENSILE STRENGTH >= 635 N/mm²; SURFACE ROUGHNESS R_a 6 MAX.

2. PLATING FINISH: SILVER (Ag). PLATING TO BE 1.9-3.3 µm ELECTRODEPOSITED SEMI-BRIGHT SILVER OVER 1.25-2.25 µm DUCTILE SULPHAMATE NICKEL PER NOTE 1(D).

3. ANTI-TARNISH: SYNTHETIC HYDROCARBON CONTACT SURFACE FINISH OR EQUIVALENT APPLIED WITHOUT VOID TO CONTACT AREA (MIN 3.7mm FROM PIN TIP).
- C. 2.8MM BLADE:

1. BASE MATERIAL: COPPER ALLOY; CONDUCTIVITY>= 28% IACS AT 20°C; TENSILE STRENGTH >= 350 N/mm²; SURFACE ROUGHNESS R_a 6 MAX.

2. PLATING FINISH: TIN. PLATING TO BE 2.5-5.0 µm ELECTRODEPOSITED TIN, MATTE FINISH OVER 1.25-2.5µm DUCTILE SULPHAMATE NICKEL PER NOTE 1(D).
- D. 6.3MM BLADE:

1. BASE MATERIAL: COPPER ALLOY; CONDUCTIVITY>= 50% IACS AT 20°C;

2. PLATING FINISH: SILVER (Ag) PLATING TO BE 1.9-3.3 µm ELECTRODEPOSITED SEMI-BRIGHT SILVER, OVER 1.25-2.5µm DUCTILE SULPHAMATE NICKEL PER NOTE 1(D) WITH ENVIRONMENTAL BARRIER OR TIN/SILVER (ELECTRO-DEPOSITED), UNDERPLATE 0.5-2.0 µm NICKEL OR COPPER. TOP PLATING: 1.0-3.0 µm (SILVER RANGE 3.75-X.XX NO ANTI-TARNISH COATING REQUIRED).
- E. PLATING REQUIREMENTS:

1. SILVER PLATING

a. 99.5% PURE SEMI-BRIGHT WITH NO ORGANIC BRIGHTNERS OR CHROMATES.

2. NICKEL PLATING

a. ELECTRODEPOSITED DUCTILE SULFAMATE NICKEL WITH A NON-BRIGHTENED FINISH. NO ORGANIC OR BRIGHTENING AGENTS SHALL BE ALLOWED.

b. SHALL ONLY BE USED AS AN UNDERLYING PLATING AND MAY NOT BE USED AS AN ELECTRICAL CONTACT SURFACE PLATING.

c. SHALL BE NODULE FREE WHEN VIEWED AT 10X MAGNIFICATION IN MEASURED IN CONTACT SURFACE AREA PLUS 0.5MM PERIMETER AROUND THE CONTACT SURFACE AREA.

d. ALL PLATINGS SHALL HAVE A 1.0% MAXIMUM BY WEIGHT IMPURITIES. IMPURITIES ARE DEFINED AS ALL ELEMENTS NOT THE PRIMARY PLATING OR HARDENING AGENT IF APPLICABLE, AS DETERMINED BY WET CHEMICAL ANALYSIS OR AUGER METHOD. NO SINGLE IMPURITY SHALL EXCEED 0.1% MAXIMUM BY WEIGHT.

3. TESTING

a. THICKNESS TO BE MEASURED IN CONTACT SURFACE AREA PLUS 0.5MM PERIMETER AROUND THE CONTACT SURFACE AREA AS DESIGNATED IN THE DRAWING. THICKNESS SHALL BE DETERMINED BY METHOD OF X-RAY (XRF).

b. PLATING ADHESION SHALL BE TESTED BY A BEND TEST FOR ALL METALS. THE TEST SAMPLE SHALL BE BENT 90 DEGREES TO DETERMINE DEPOSIT ADHESION. TESTING SHALL BE COMPLETED IN ACCORDANCE WITH ASTM SPEC B571.

2. DESIGN - GENERAL:

- A. THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. WHERE DIMENSIONS ARE SPECIFIED ON THE DRAWING, THE DRAWING IS THE AUTHORITY FOR DIMENSIONAL VALUES. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.
- B. DIMENSIONS OBTAINED FROM THE DIGITAL MODEL ARE BASIC:

1. FOR RELATIONSHIPS BETWEEN FEATURES WHEN ESTABLISHED BY GEOMETRIC TOLERANCES.

2. FOR THE FORM OF A FEATURE WHEN CONTROLLED BY A PROFILE TOLERANCE.

3. FOR THE SIZE, FORM AND/OR RELATIONSHIP BETWEEN FIXED DATUM TARGETS.
- C. DIMENSIONS OBTAINED FROM THE DIGITAL MODEL ARE ROUNDED TO TWO DECIMAL PLACES (PER IEEE/ASTM SI 10-2002)
- D. VIEWS AND SECTIONS ON THIS DRAWING ARE IN ACCORDANCE WITH GM DCS SECTION C3.
- E. THE DIGITAL MODEL MUST CORRESPOND TO THE RELEASE LEVEL SHOWN IN THE PART BLOCK ON THIS DOCUMENT.
- F. TOLERANCES:

1. LINEAR

0.X ± 0.30

0.XX ± 0.10

0.XXX ± 0.10

2. ANGULAR

X° ± 3°

3.

1.0

A

B

C
- G. MINIMUM WALL THICKNESS REQUIRED: 1.3mm.
- H. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
- J. LETTERING SHALL BE 0.15 MAX RAISED IN 0.20 MAX RECESS PAD. THIS INCLUDES MATERIAL CODE, RECYCLING CODE, CAVITY ID AND DATE CODE.
- K-1. PARTS MUST BE FREE OF DISCOLORATION, SALT RESIDUE AND OTHER IMPERFECTIONS THAT AFFECT FIT OR FUNCTION.
- K-2. SCRATCHES OR DENTS NOT TO EXCEED 0.013mm IN DEPTH.
- L. FOLLOWING PRODUCTION CODES TO BE PERMANENTLY MARKED & HUMAN READABLE TO A LETTER HEIGHT OF 1.5 ±0.5MM X 0.3 MAX DEEP

1. MATERIAL #: XXXXX-XXXX

2. DATE CODE: JJJY (JULIAN DAY, LAST DIGIT OF YEAR)

3. INSPECTION MACHINE CODE + SERIAL #: X_XXXXX

3. DESIGN - MANUFACTURING:

- A. DRAFT TO BE WITHIN TOLERANCE.
- B. ALLOWABLE FLASH MAX 0.2 HIGH X MAX 0.13 THICK.
- C. ALLOWABLE PARTING LINE MISMATCH 0.2 MAX.
- D. EJECTOR PINS MARK TO BE FLUSH TO 0.25 MAX DEPRESSED.
- E. ALLOWABLE GATE VESTIGE FLUSH TO 0.25 MAX PROTRUSION.
- F. NO EXTERNAL MOLD RELEASE AGENT ALLOWED DURING MANUFACTURING.
- G. STEEL THAT FORMS THE INDICATED SURFACE MUST BE POLISHED WITH A DIAMOND FINISH (SPI A-2) OVER THE FULL PERIPHERY OF THE TOOL. SURFACE MUST HAVE NO MISMATCH.
- H. ANY PROCESS LUBRICANT REMAINING ON THE TERMINAL MUST NOT VARNISH OR DEGRADE IT'S ELECTRICAL PERFORMANCE UP TO A MAXIMUM CLASS AMBIENT TEMPERATURE PER SAE USCAR-2 FOR 1008 HOURS. PROCESS LUBRICANTS SHOULD BE APPROVED BY THE RESPONSIBLE ENGINEER.
- J. OPTIONAL FEATURES PROVIDED FOR AUTOMATION.
- K. PART MUST BE FREE FROM BURRS AND SHARP EDGES, WHICH MIGHT BE DETRIMENTAL TO SATISFACTORY ASSEMBLY, SAFE HANDLING OR FUNCTION OF PART.
- L. PARTS AS DELIVERED TO ASSEMBLY SHALL BE CLEAN AND FREE OF DEBRIS, RESIDUAL ABRASIVE MATERIAL AND CORROSION PRODUCTS ADVERESLY AFFECTING FUNCTION OR APPEARENCE.
- M. RESTRICTED AND REPORTABLE SUBSTANCES FOR PARTS PER GMW3059.

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NOTES: UNLESS OTHERWISE SPECIFIED

4. SYSTEM REQUIREMENTS:

- A. HARNESS CONNECTOR IS COMPATIBLE WITH THE FOLLOWING WIRE SIZE NO'S:
SAE 14AWG, MEETING SAE J1128
SAE 18AWG, MEETING SAE J1128, MAX O.D. OF 2.06 MM
SAE 20AWG, MEETING SAE J1128
SAE 22AWG, MEETING SAE J1128, MIN O.D. OF 1.47 MM
ISO 6mm², FLR2X-A/T-125 PER GM 15626 (FEB 2008)
- B. CABLE TIE SPECIFICATIONS:
1. CABLE TIE:
TENSILE RATING: 220N / (50lbs) MIN
TIE LENGTH: 186mm MIN
TIE WIDTH: 4.75mm MAX
MATERIAL: NYLON
2. INSTALLATION:
CABLE TIE TENSION: 190N MIN
3. DRESSED WIRE BUNDLE PACKAGING: SEE FIG. 1
- C. WHEN MATED WITH COMPONENT CONNECTOR INTERFACE AND/OR DRESS COVER, HARNESS CONNECTOR SYSTEM CONFORMS TO THE FOLLOWING:
1. SAE/USCAR-2, REV: 3 APRIL, 2001; CLASS 3
2. FIELD CORRELATED LIFE TEST, SAE/USCAR-20, NOV. 2001
3. GMW #3191 AUGUST 22, 2000 (DRAFT); TEMPERATURE CLASS 3 (145°C), SEALING CLASS 1 (HIGH PRESSURE SPRAY), VIBRATION CLASS 2 (ON BODY)
4. TPA USER FORCES (FULLY POPULATED WITH TERMINALS)
a. REMOVAL FROM LOCK TO PRE-SET: <=120N
- D. WIRE SPECIFICATIONS:
1. WIRE SURFACE MUST BE FREE OF SCRATCHES, GROOVES OR DENTS WHERE FUNCTIONAL

5. TERMINAL CURRENT RATINGS:

ALL TESTING DONE IN ACCORDANCE WITH USCAR-2 REV5 SECTION 5.3

- A. MX64 RCPT TERM
1. MX64 RCPT TERM Ag 18/20 GAGE CRIMPED TO SAE WIRE SIZE NO.18 AND MATED TO MX123 0.64MM PIN: 11.3 AMPS
2. MX64 RCPT TERM Ag 22 GAGE CRIMPED TO SAE WIRE SIZE NO.22 AND MATED TO MX123 0.64MM PIN:8.5 AMPS

WIRE	CURRENT RATING			
	23 deg.C	85 deg.C	105 deg.C	125 deg.C
18AWG	11.3A	11.3A	9.5A	6.6A
20AWG	10.0A	10.0A	8.3A	5.7A
22AWG	8.6A	8.6A	7.1A	5.0A

- B. 2.8MM RCPT TERM
1. 2.8MM RCPT TERM TIN 14 GAGE CRIMPED TO SAE WIRE SIZE NO.14 AND MATED TO MX123 2.8MM BLADE: 25.6 AMPS
- C. 6.3MM RCPT TERM - FCI APEX
1. 6.3MM RCPT TERM TIN/SILVER CRIMPED TO 6.0MM² WIRE AND MATED TO MOLEX 6.3MM² BLADE (Sn/Ag PLATED):36A AT 125°C

6. CONTACT MOLEX AUTOMOTIVE FOR AVAILABLE CUSTOM PATTERNS OF CAVITIES OPEN FOR CIRCUITS

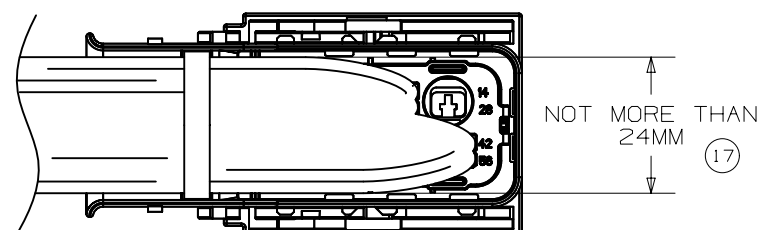
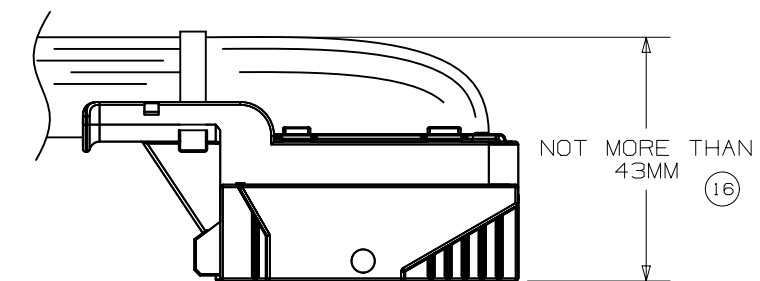
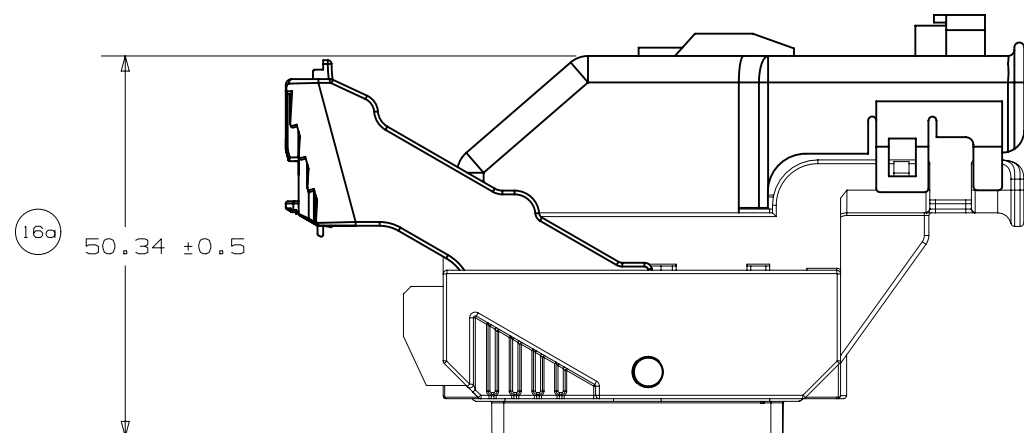


Fig. 1

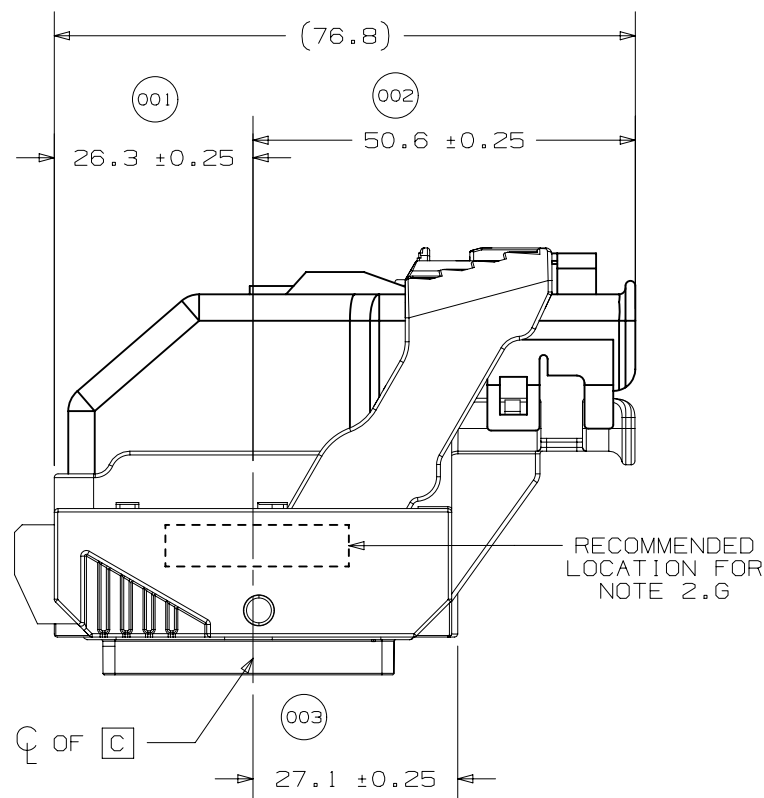


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WIRE DRESS PACKAGING DIMENSIONS

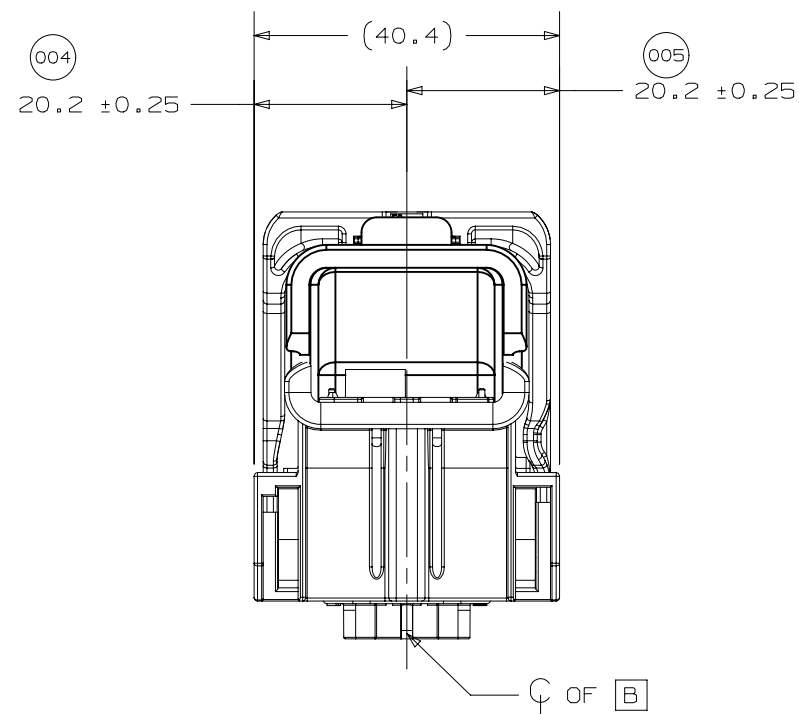
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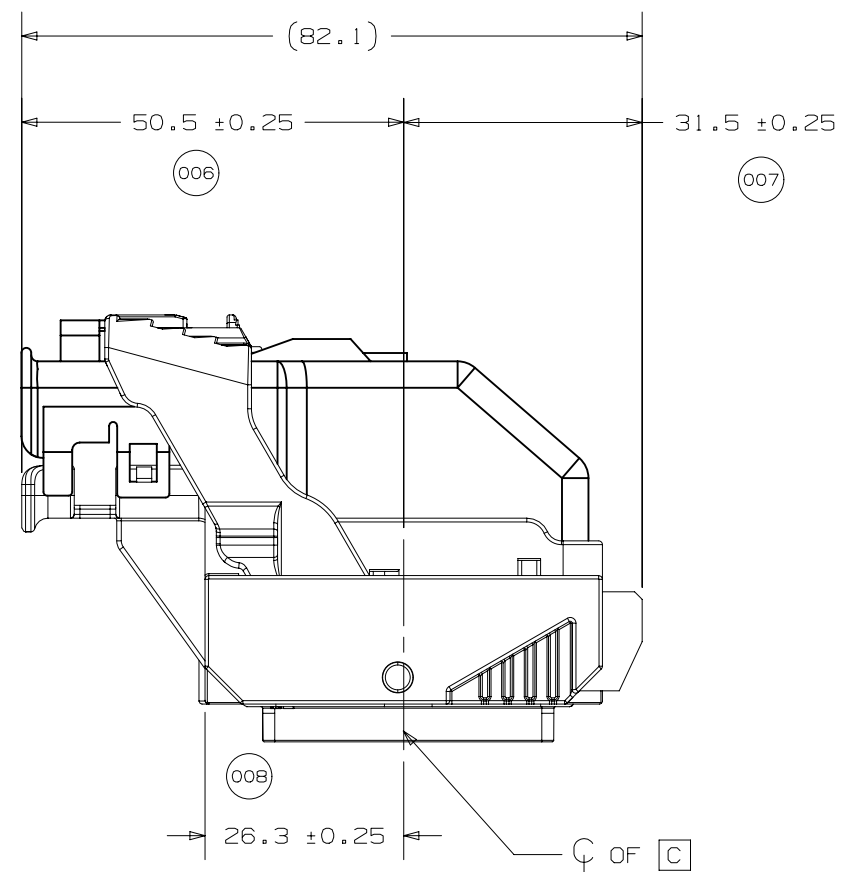
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WIRE DRESS OPTION 0 SHOWN



WIRE DRESS OPTION 0 SHOWN



WIRE DRESS OPTION 9 SHOWN



PAGE TITLE
LOCATION AND PACKAGING DIMENSIONS
REFERENCING INTERFACE DATUMS B & C

DRAWING NUMBER

12642694

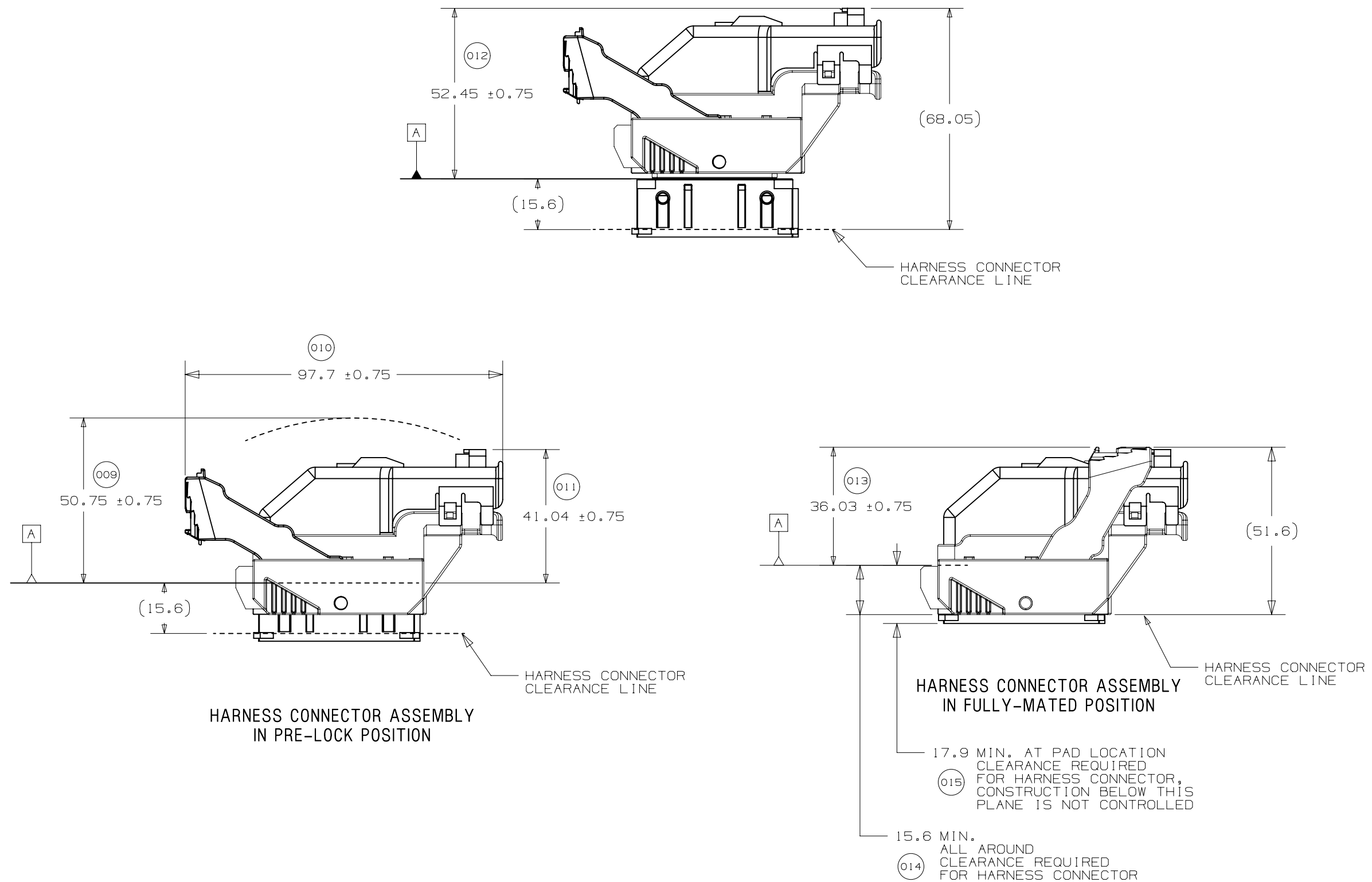
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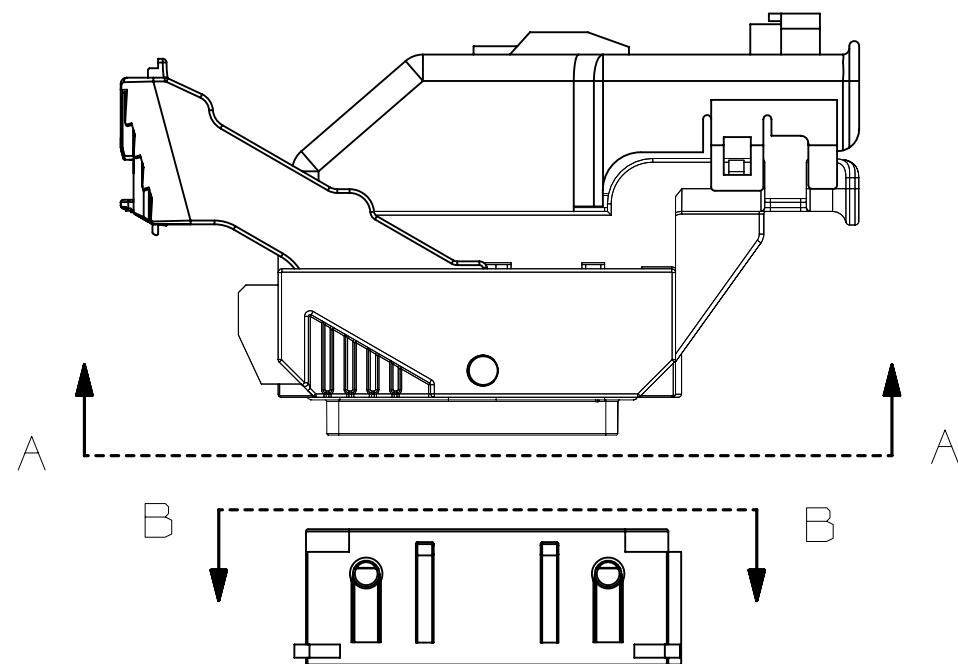
ST REV PDI

R 001

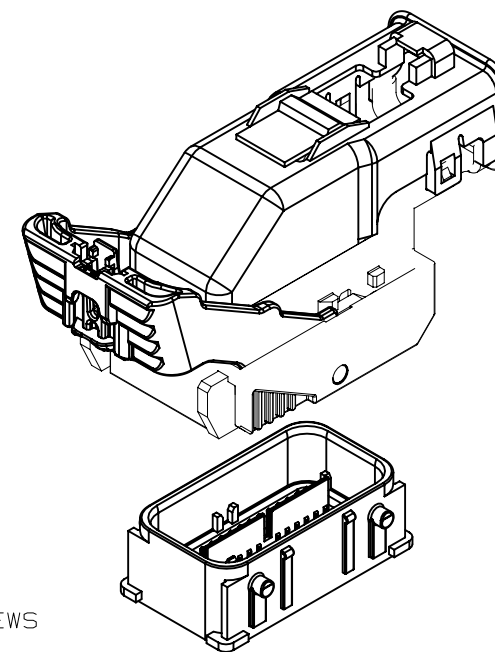
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9 of 22

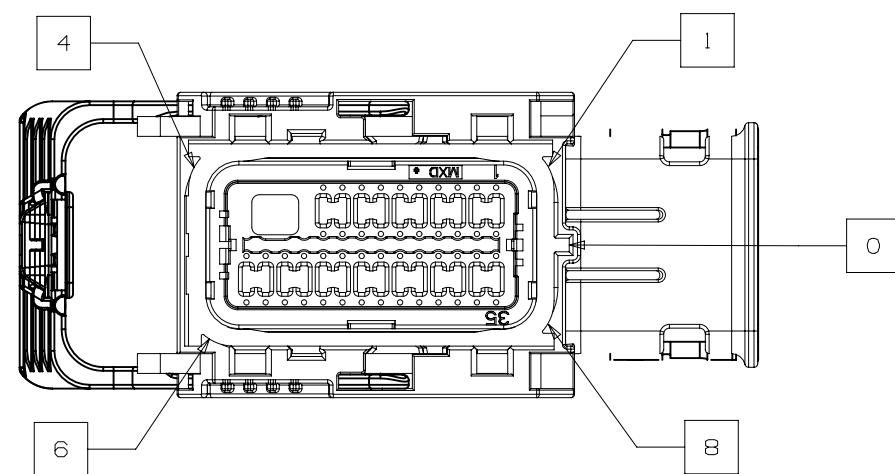




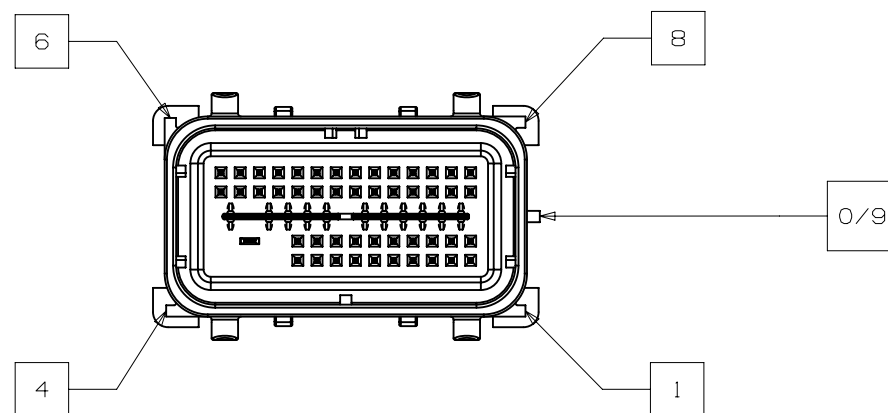
INTERFACE SIDE SHOWN IN ALL SECTION VIEWS



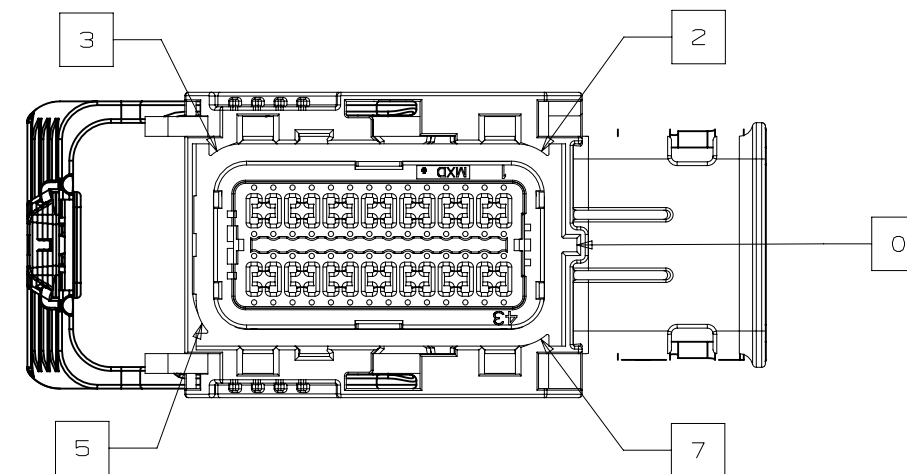
NOTE: REFERENCE THE COMPONENT TABLE
FOR KEY OPTIONS AND CONFIGURATIONS



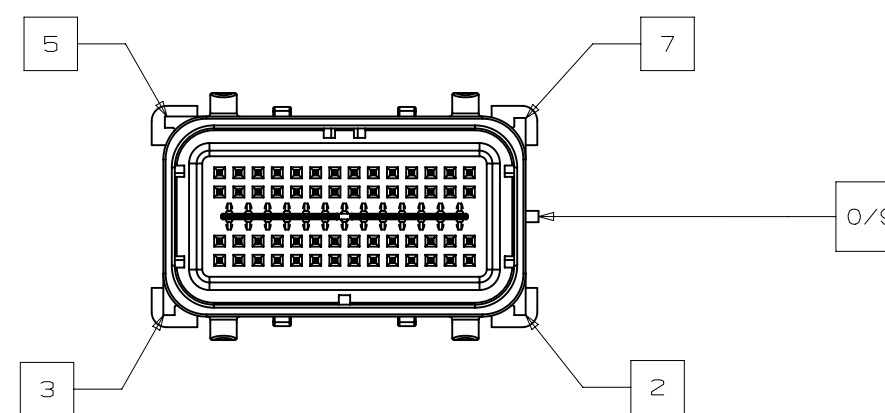
SECTION A-A
KEY OPTION B SHOWN



SECTION B-B
KEY OPTION B SHOWN



SECTION A-A
KEY OPTION K SHOWN



SECTION B-B
KEY OPTION K SHOWN

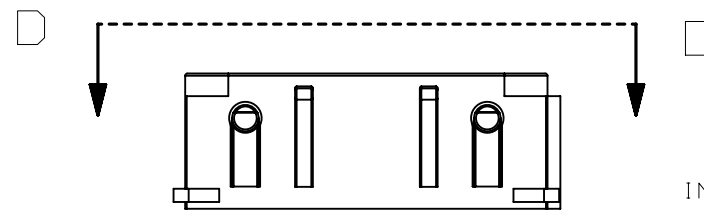
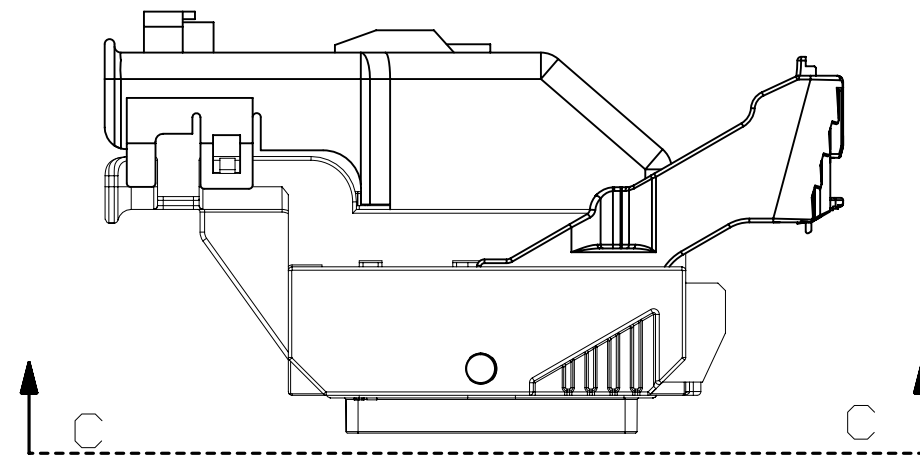


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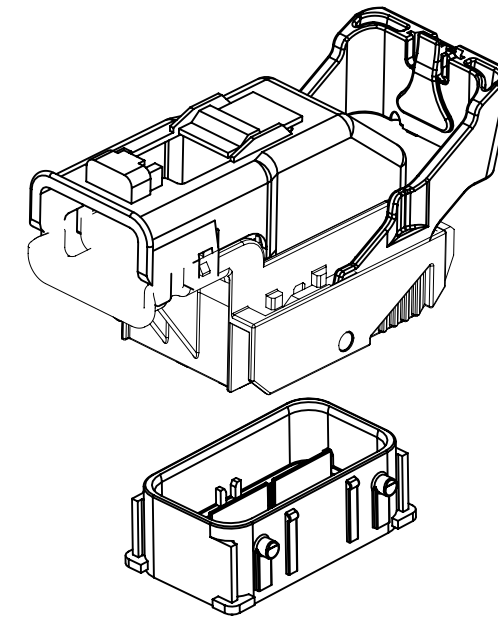
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DWG STATUS		
ST	REV	PD1
R	001	

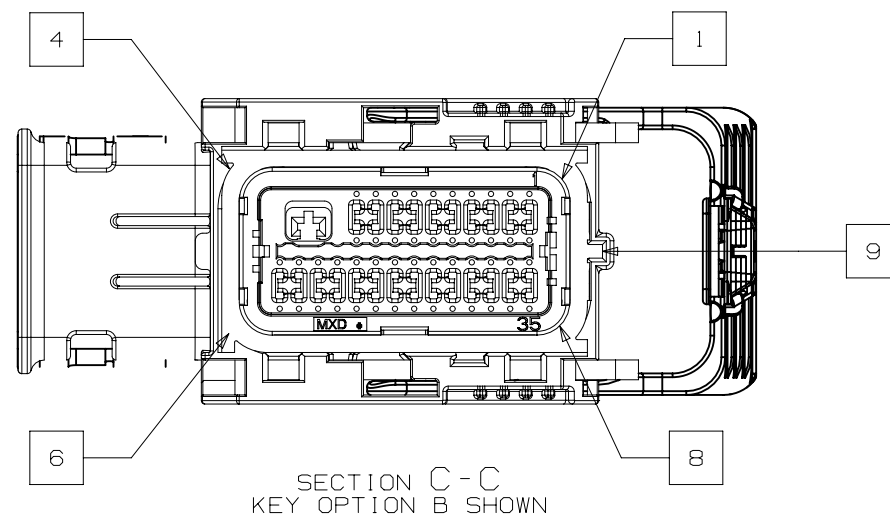
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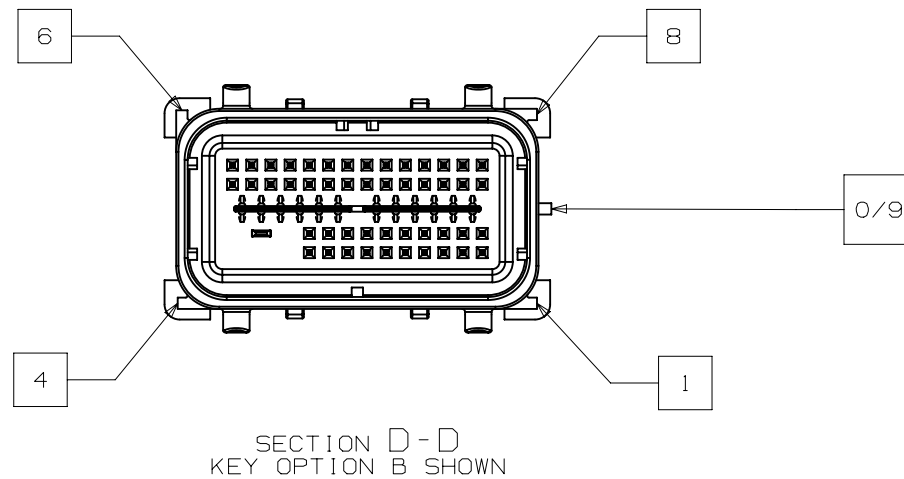
INTERFACE SIDE SHOWN ON ALL SECTION VIEWS



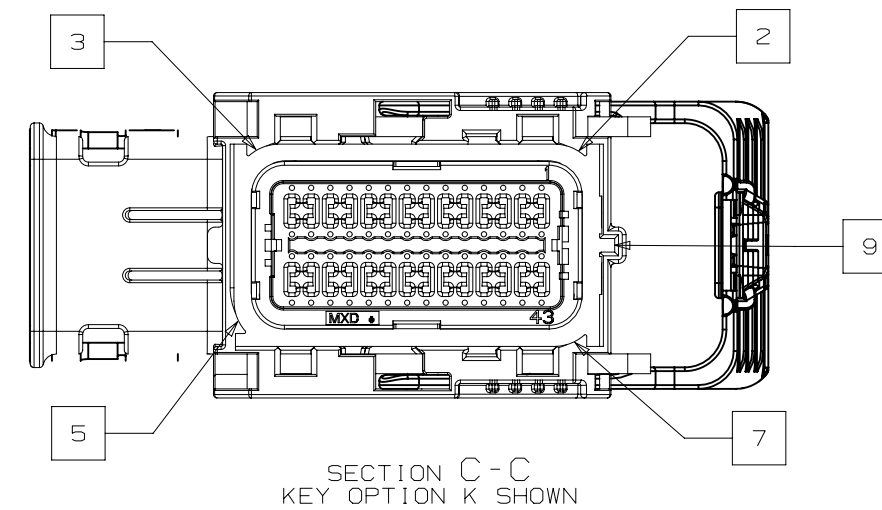
NOTE: REFERENCE THE COMPONENT TABLE
FOR KEY OPTIONS AND CONFIGURATIONS



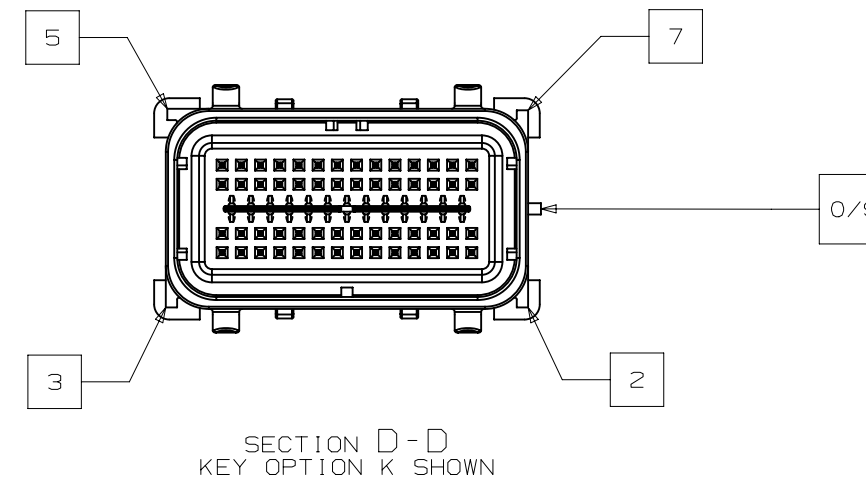
SECTION C-C
KEY OPTION B SHOWN



SECTION D-D
KEY OPTION B SHOWN



SECTION C-C
KEY OPTION K SHOWN



SECTION D-D
KEY OPTION K SHOWN

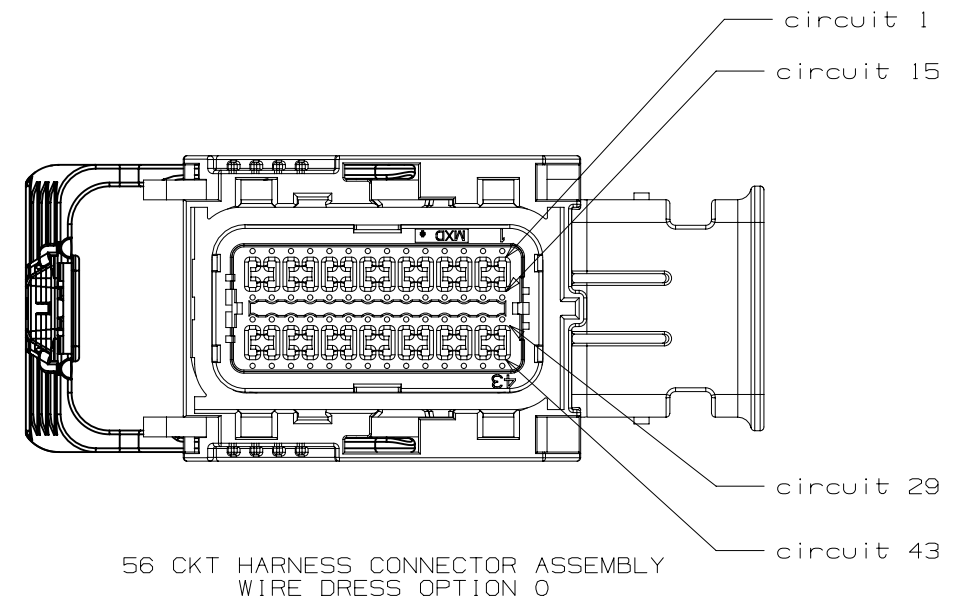
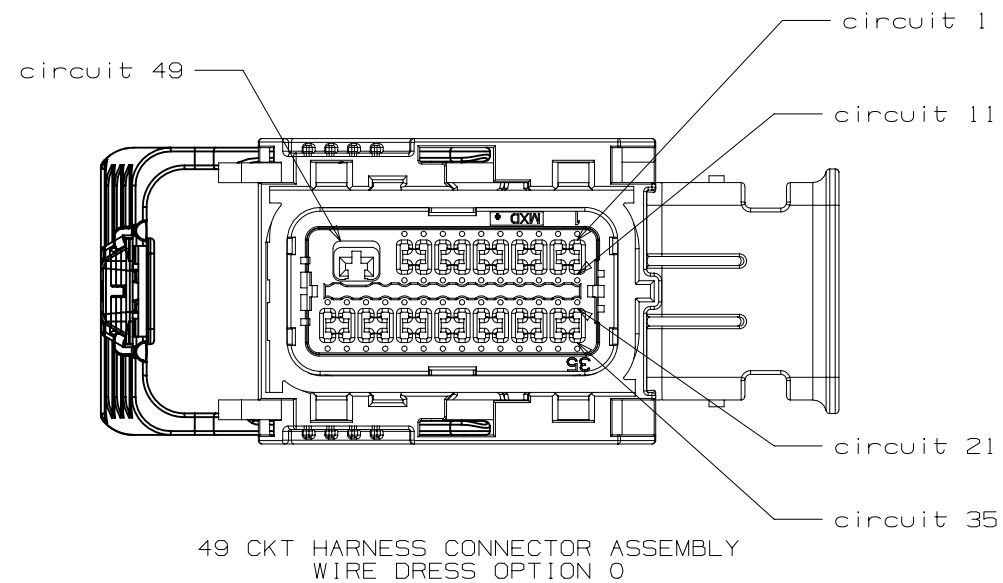


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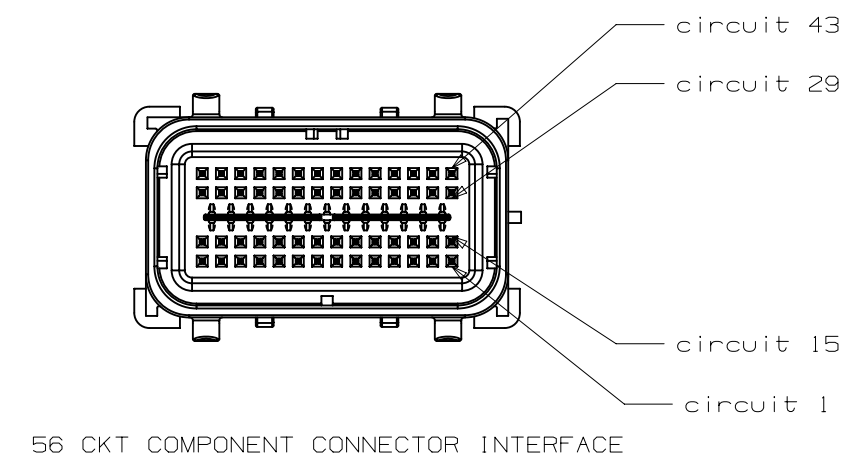
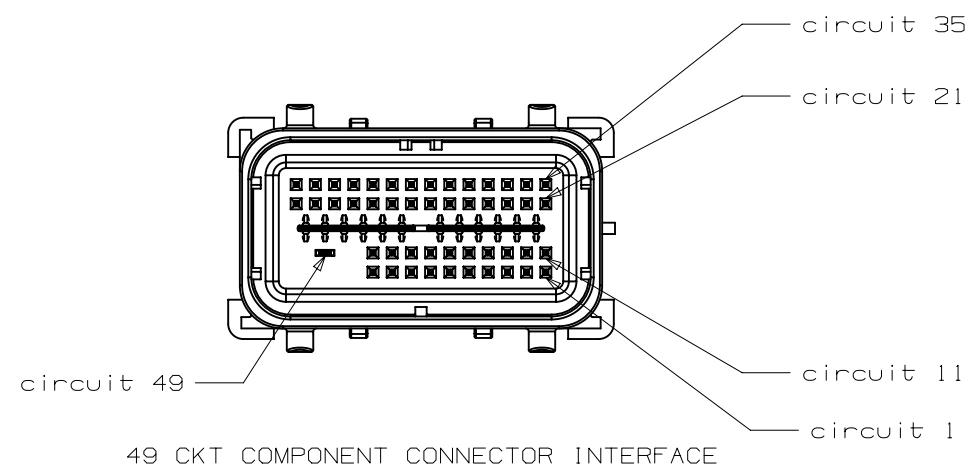
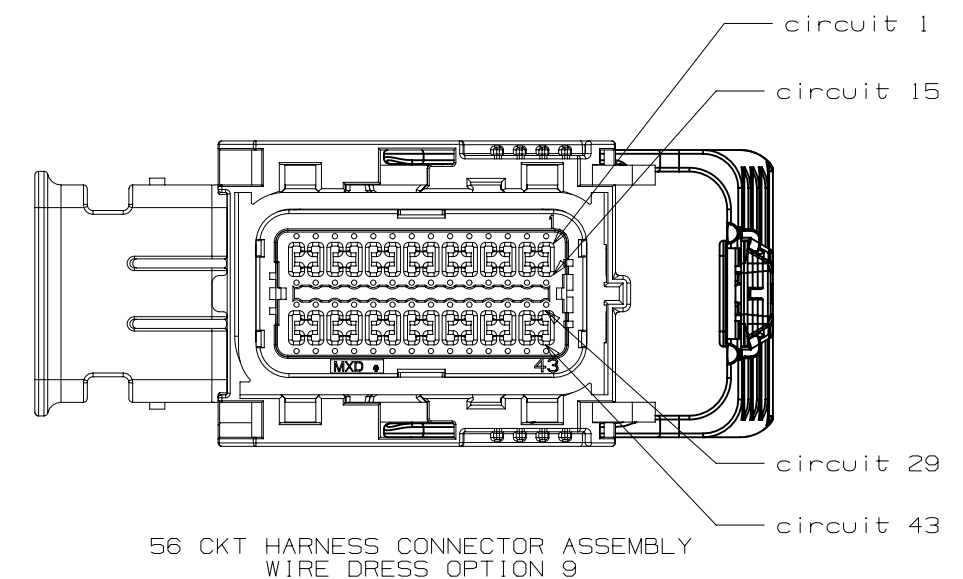
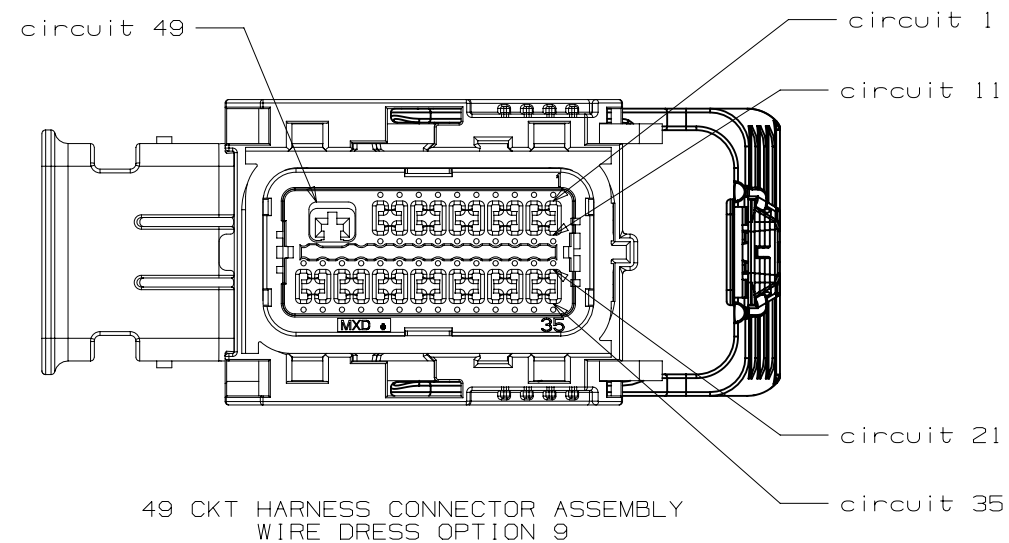
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DWG STATUS		
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INTERFACE SIDE SHOWN ON ALL VIEWS

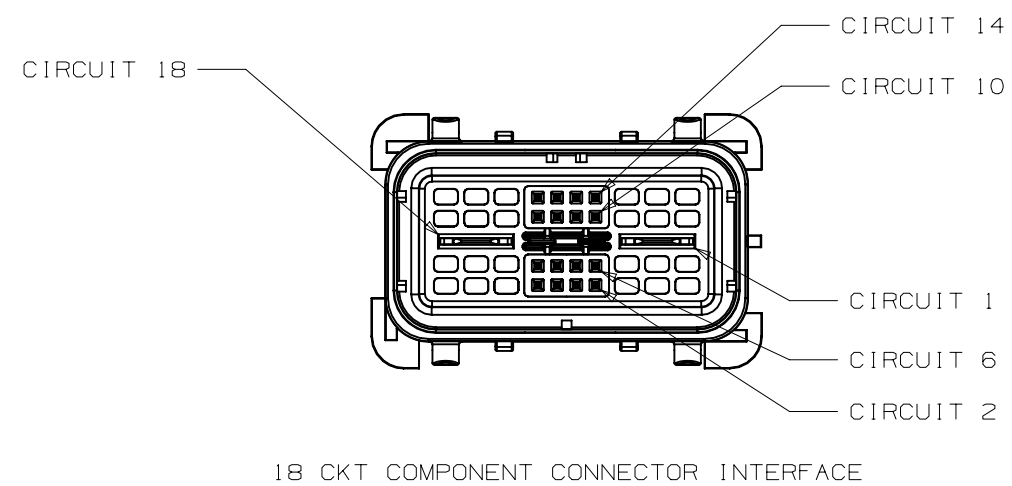
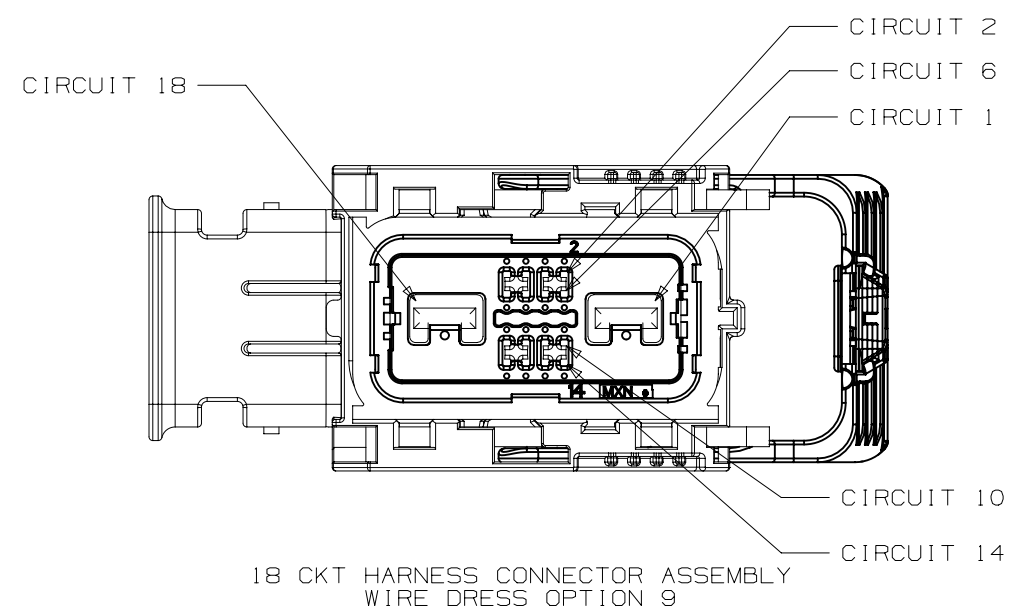
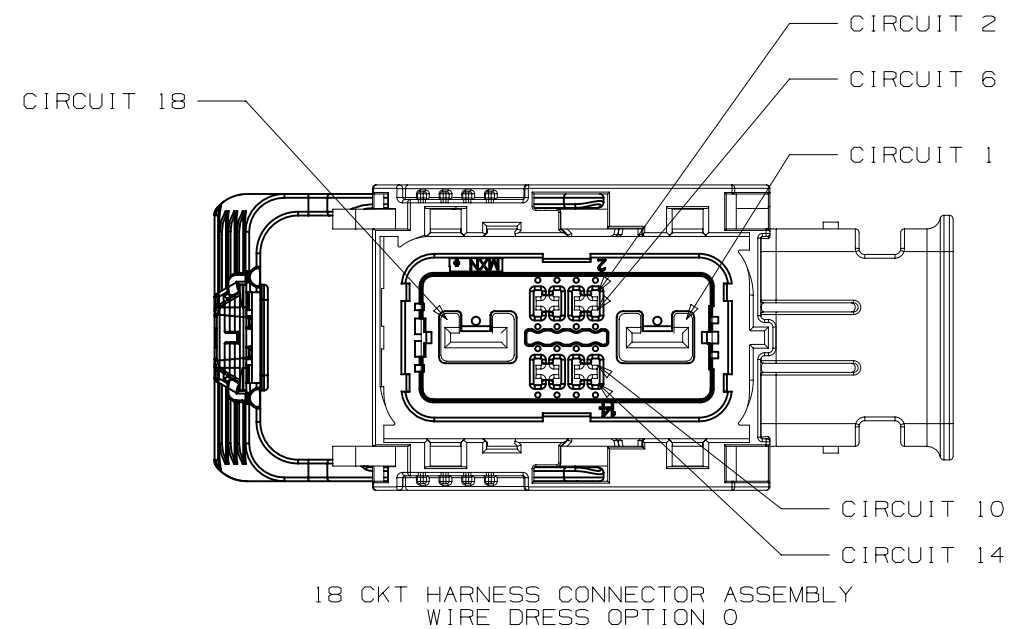


PAGE TITLE
CIRCUIT CONFIGURATIONS

DRAWING NUMBER
12642694

DWG STATUS		
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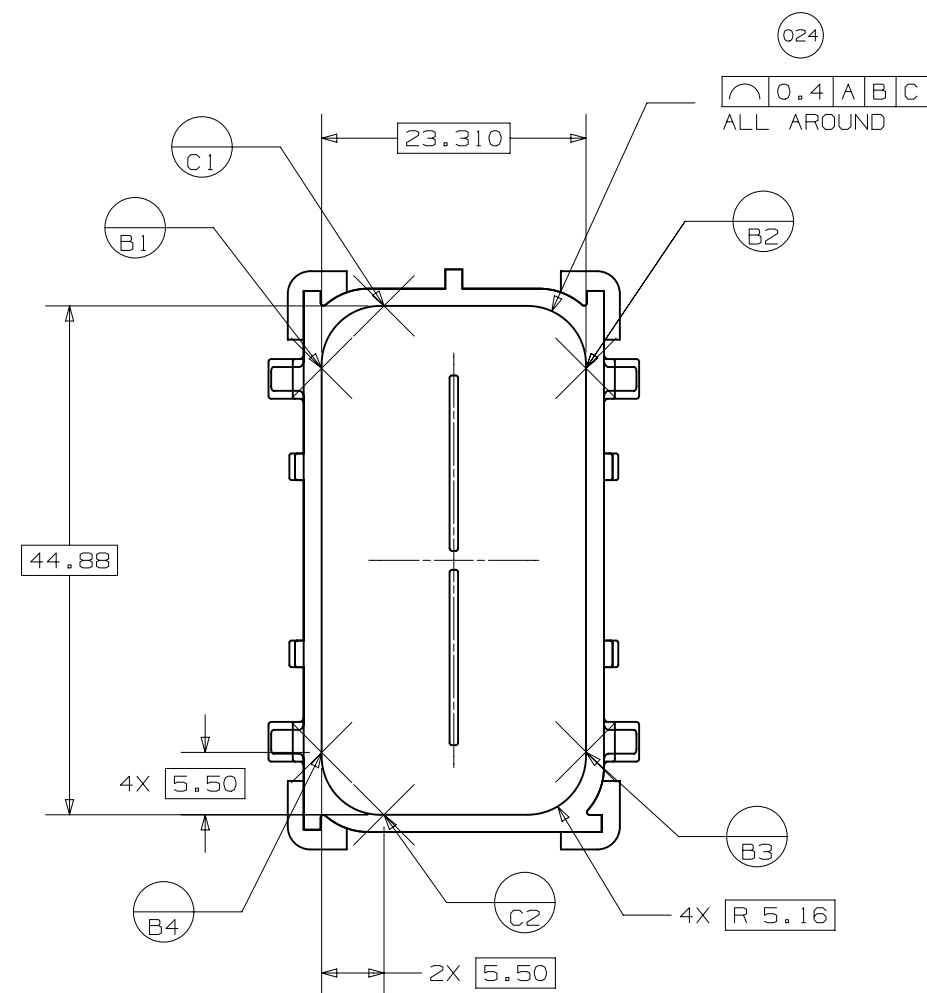
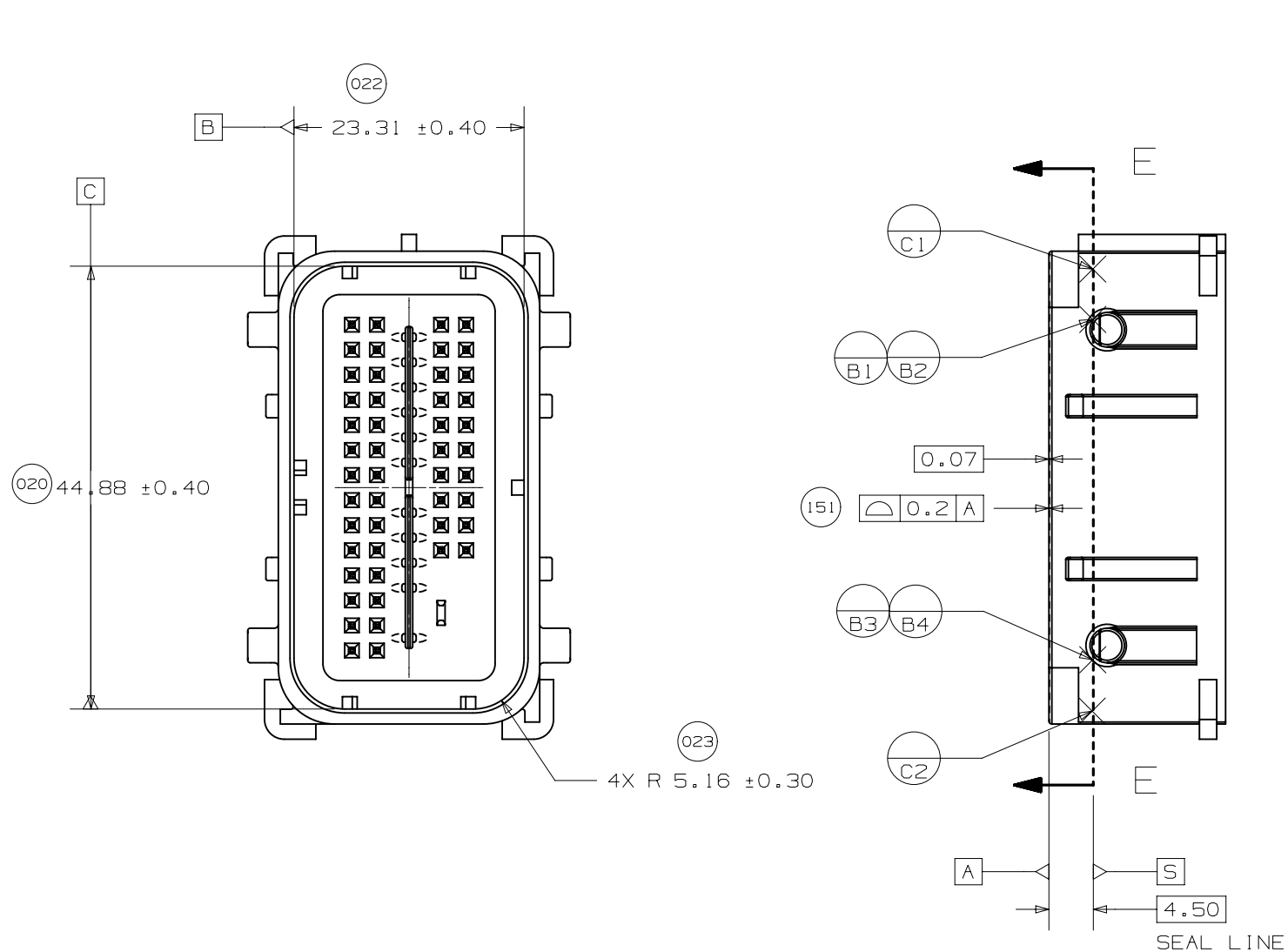
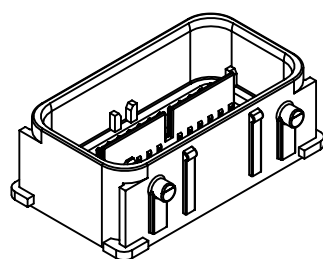
INTERFACE SIDE SHOWN ON ALL VIEWS



PAGE TITLE
CIRCUIT CONFIGURATIONS

DRAWING NUMBER
12642694

DWG STATUS			PAGE NUMBER	
ST	REV	PD1		
R	001		14	OF 22



SECTION E-E
(AT SEAL LINE)

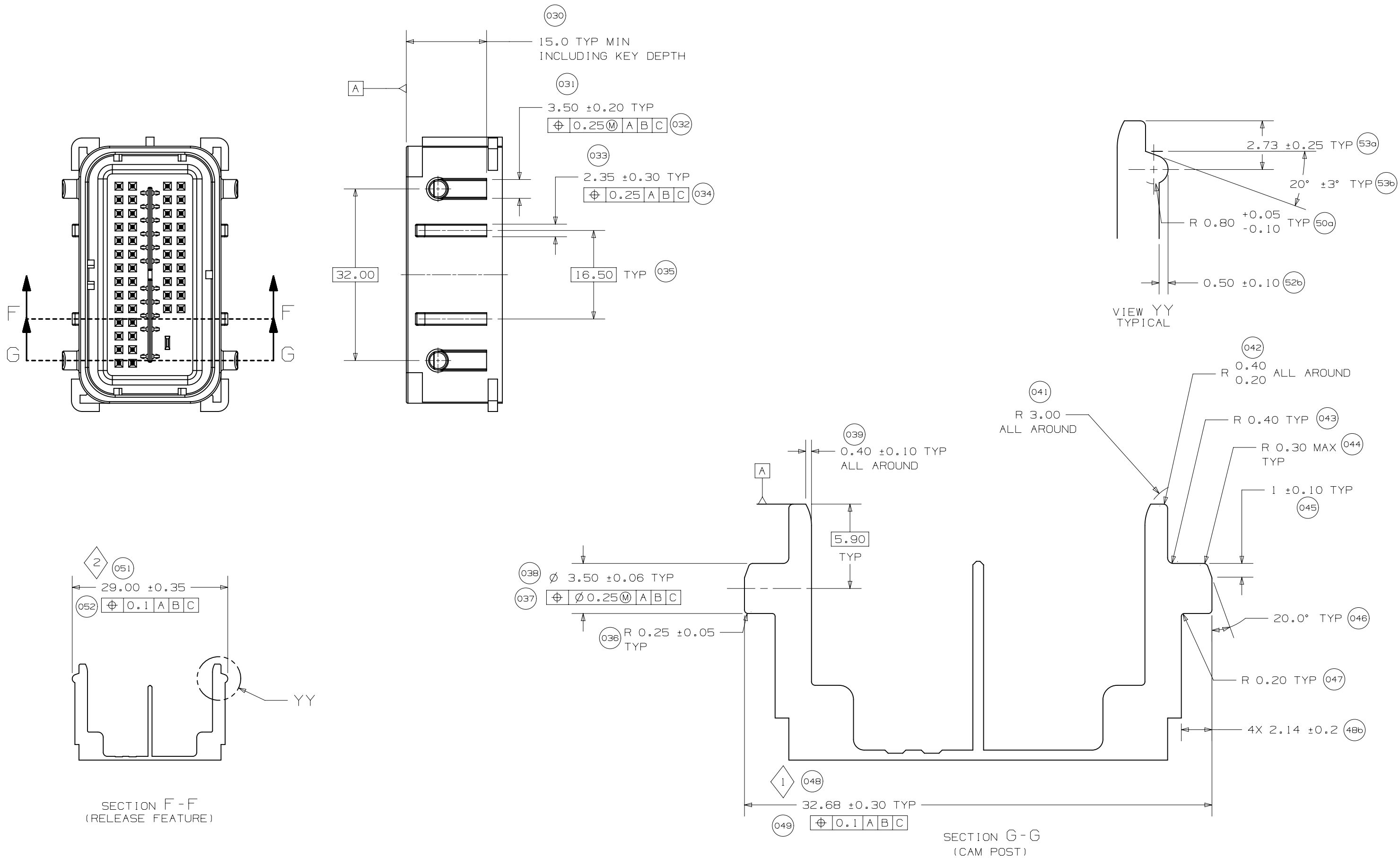
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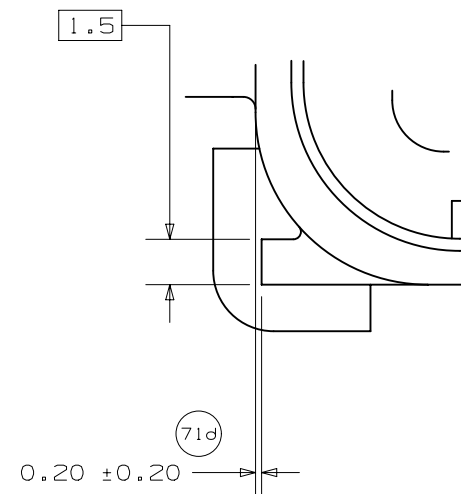
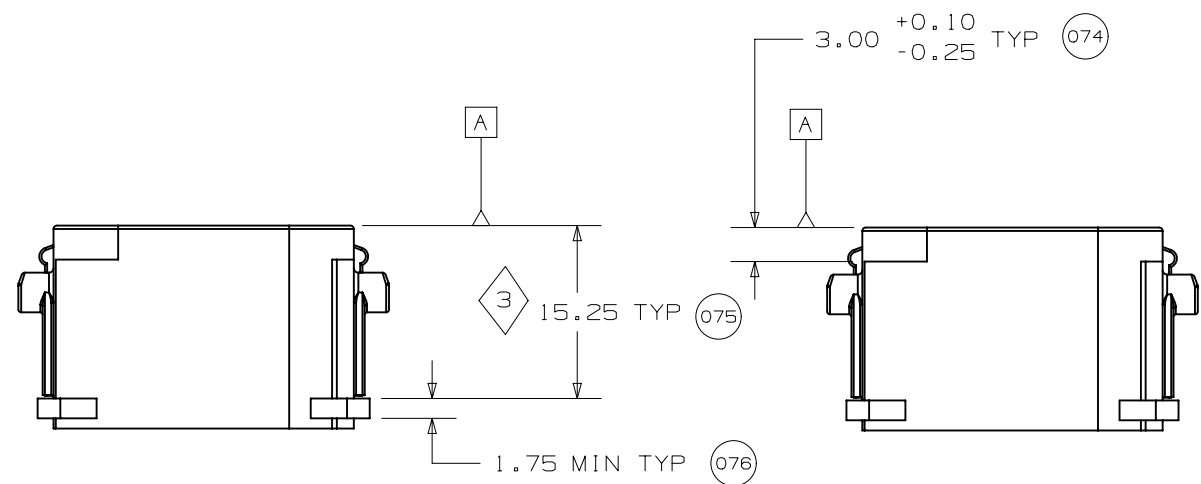
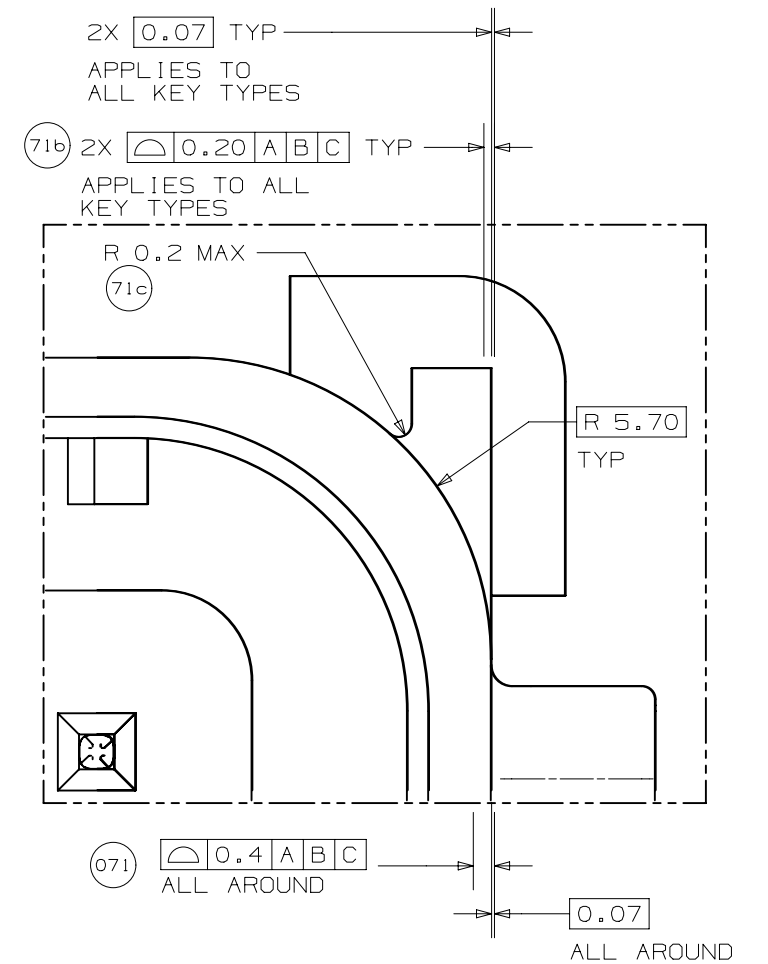
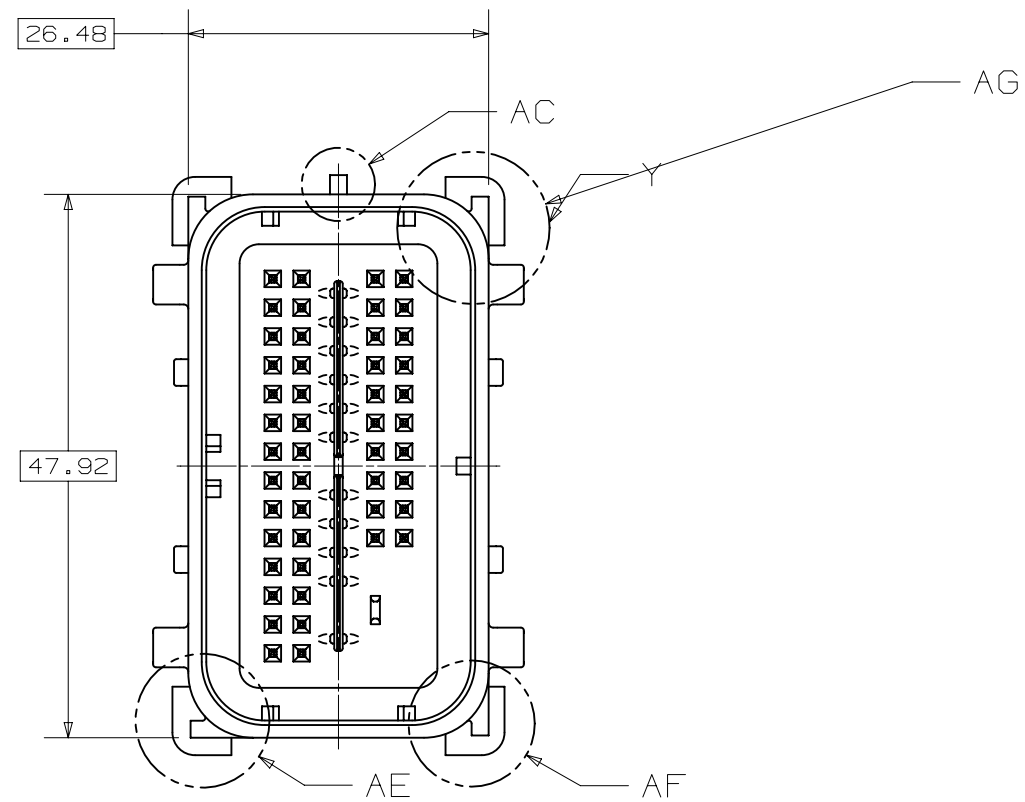
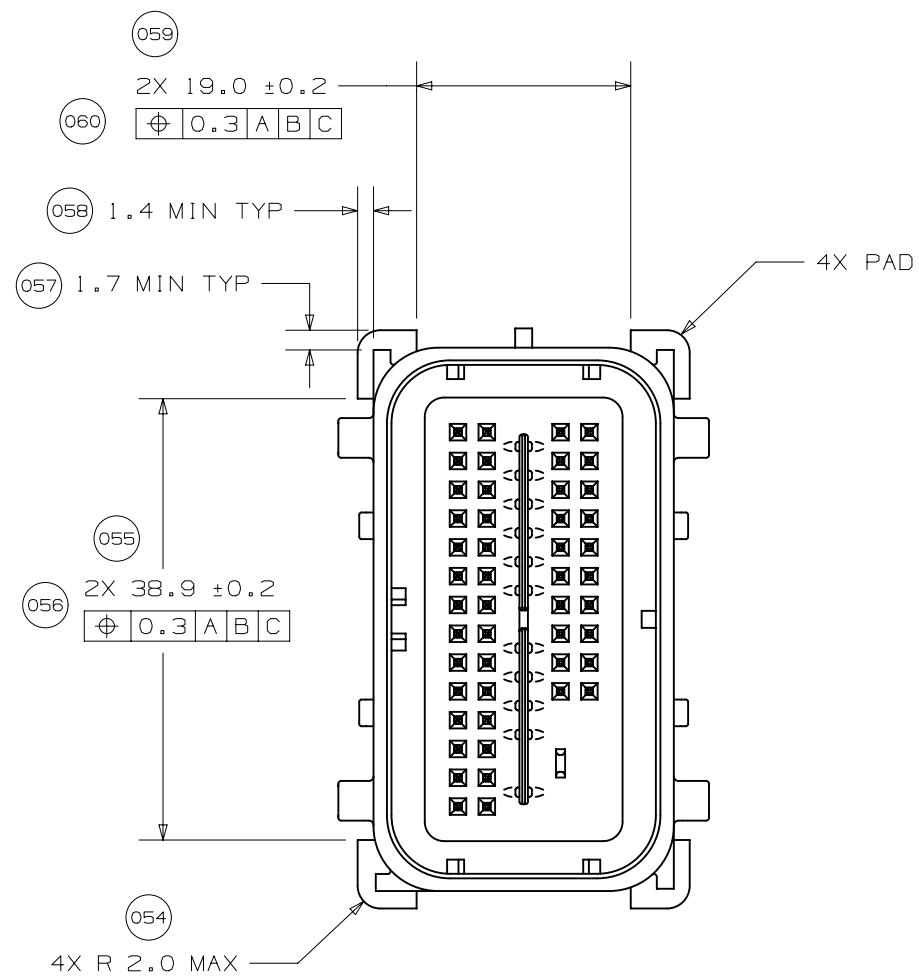


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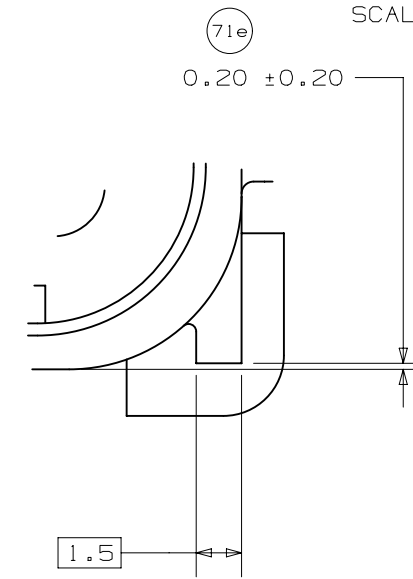
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12642694

DWG STATUS			PAGE NUMBER	
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R	001			

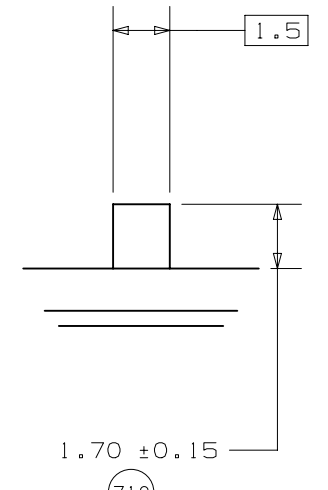




VIEW AE
KEY TYPE 2



VIEW AF
KEY TYPE 1



VIEW AC
KEY TYPE 3

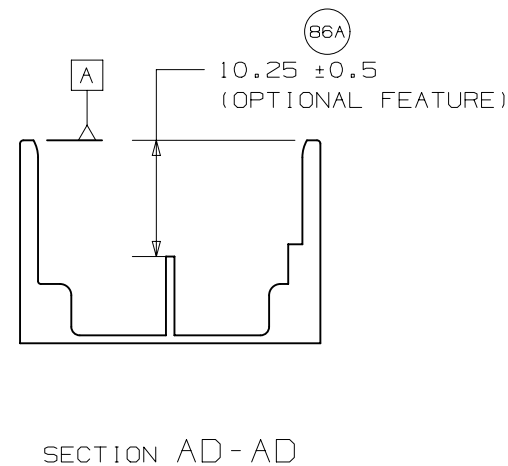
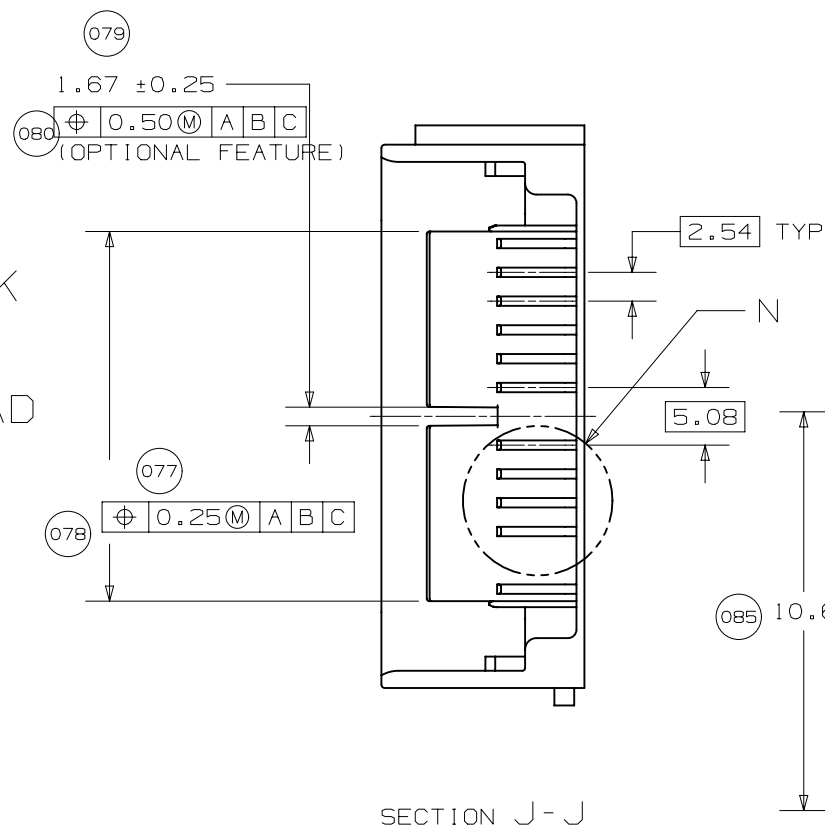
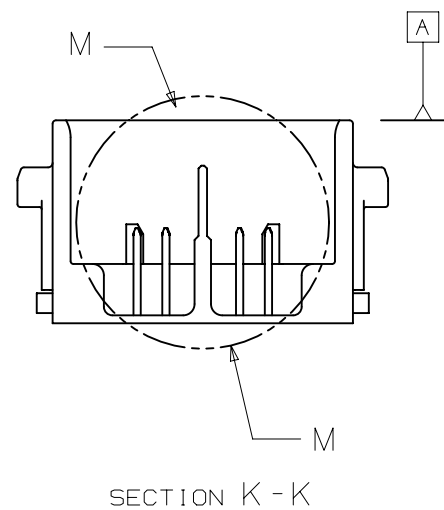
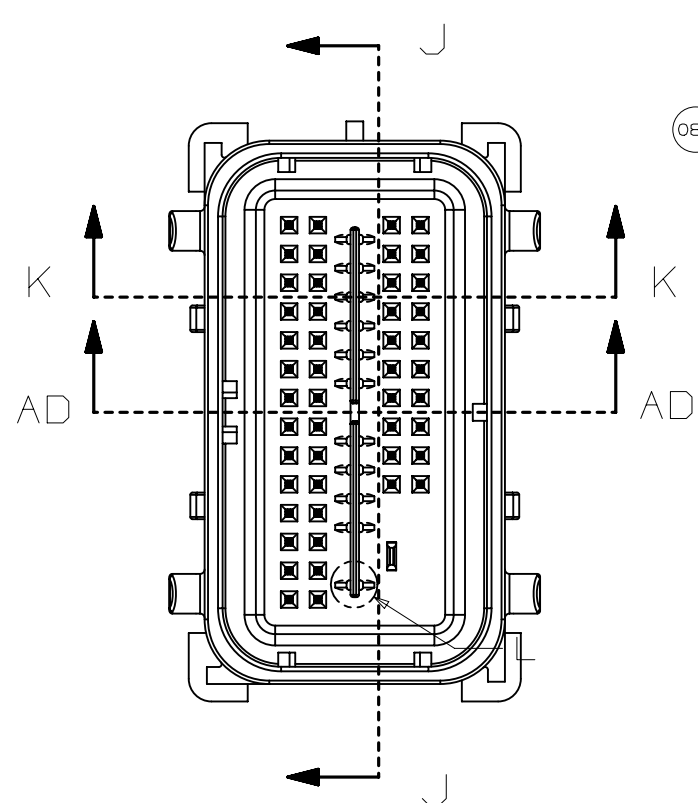


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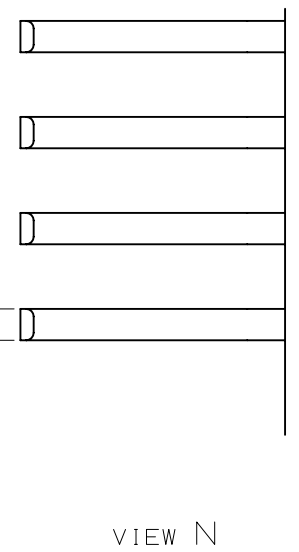
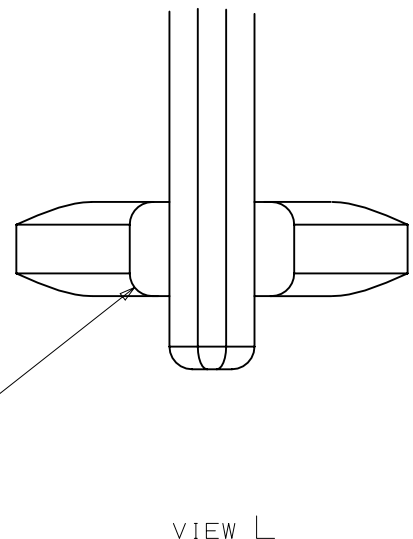
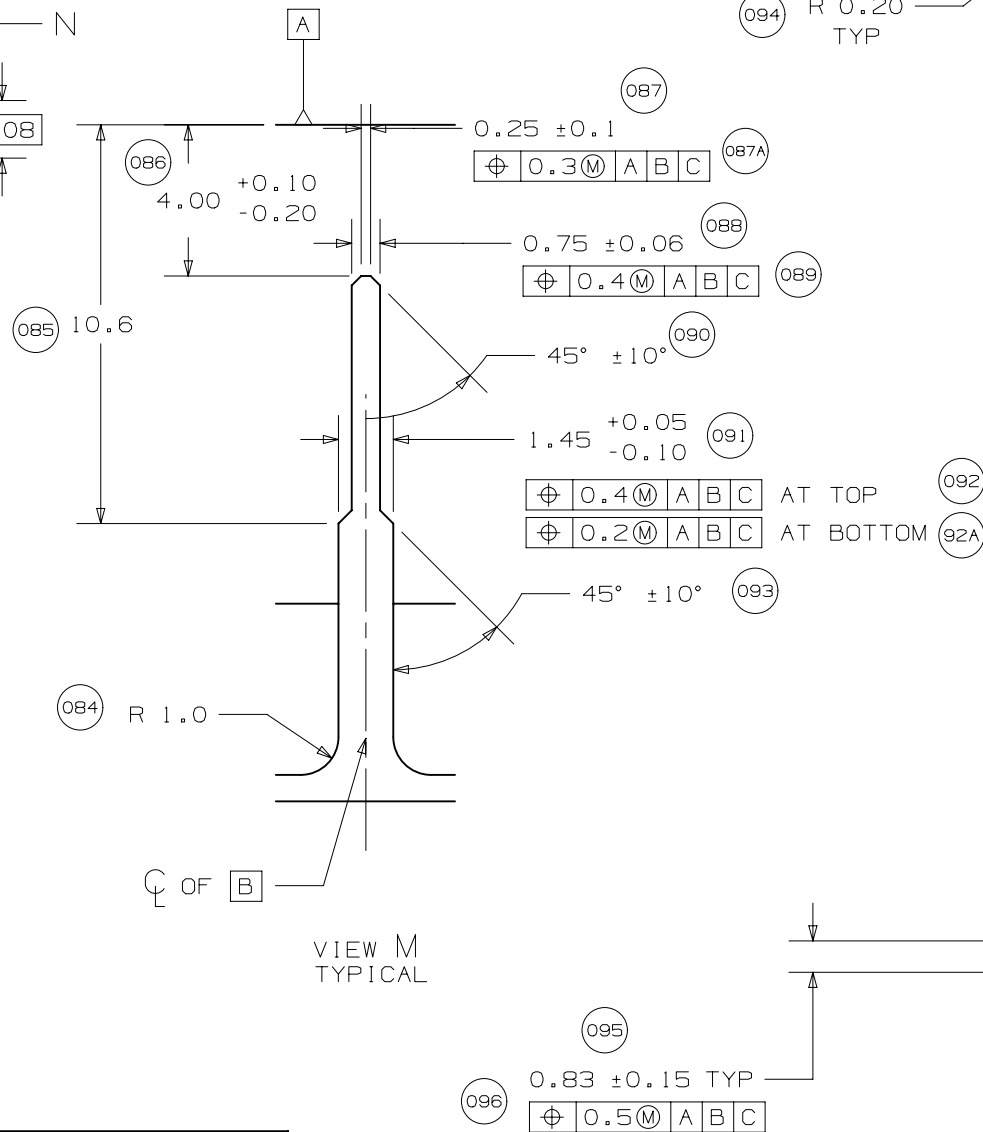
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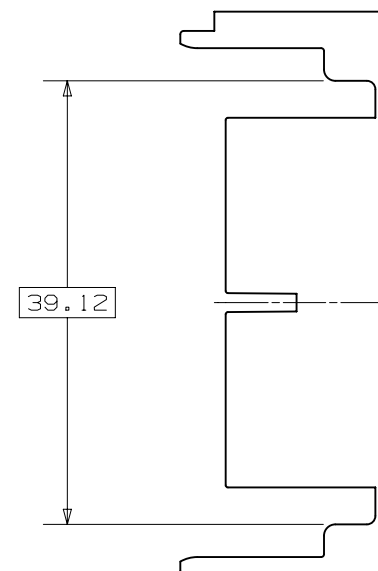
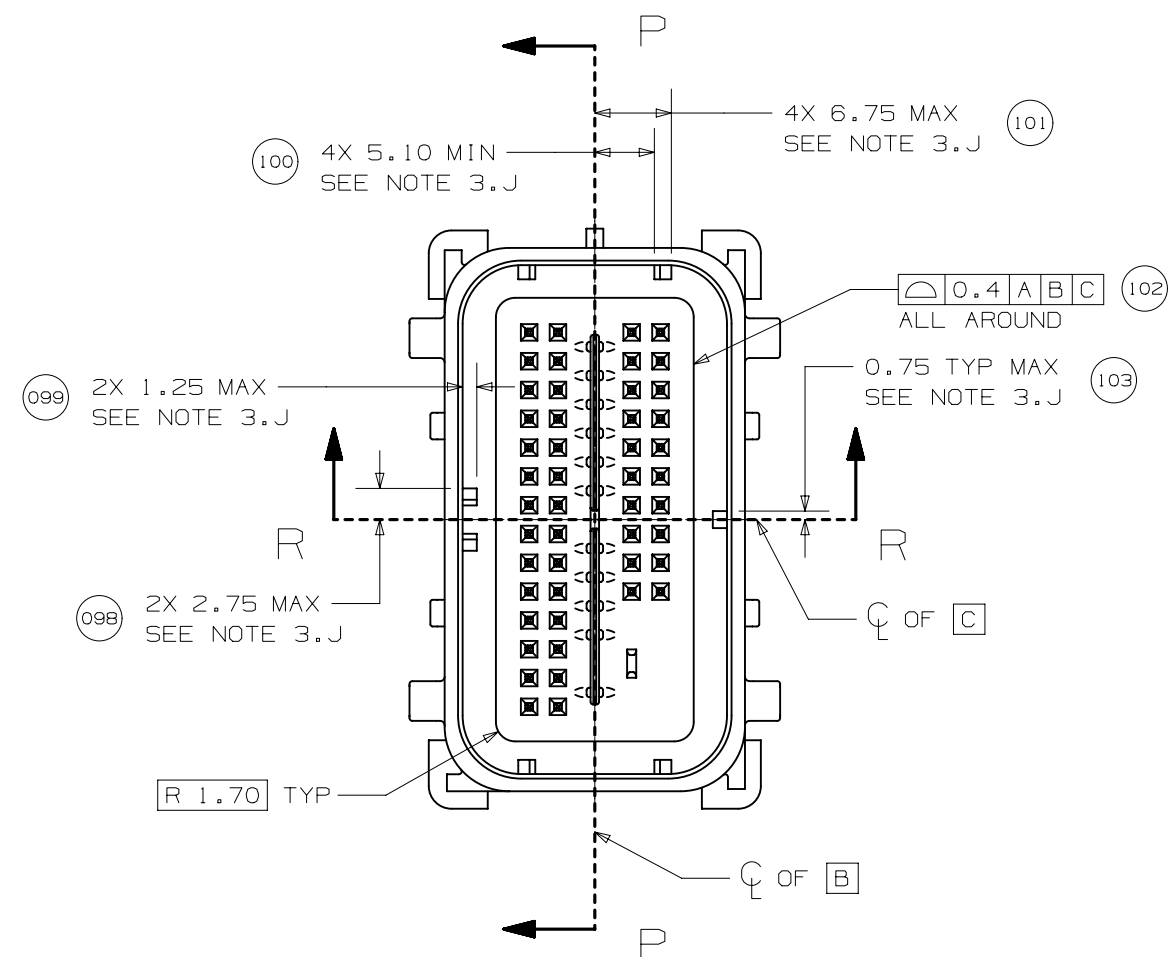
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ST	REV	PD1
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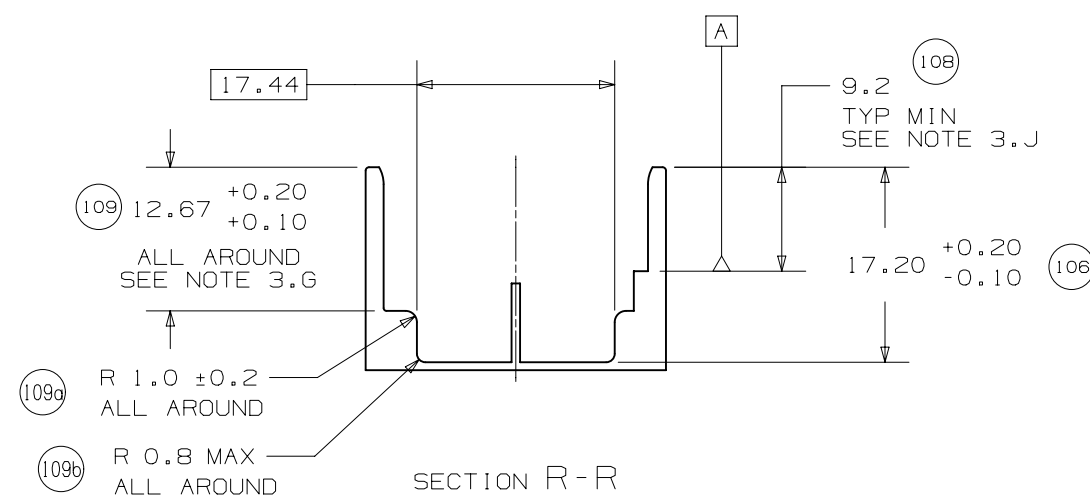


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49 / 56 CKT	32.60 +0.10/-0.80
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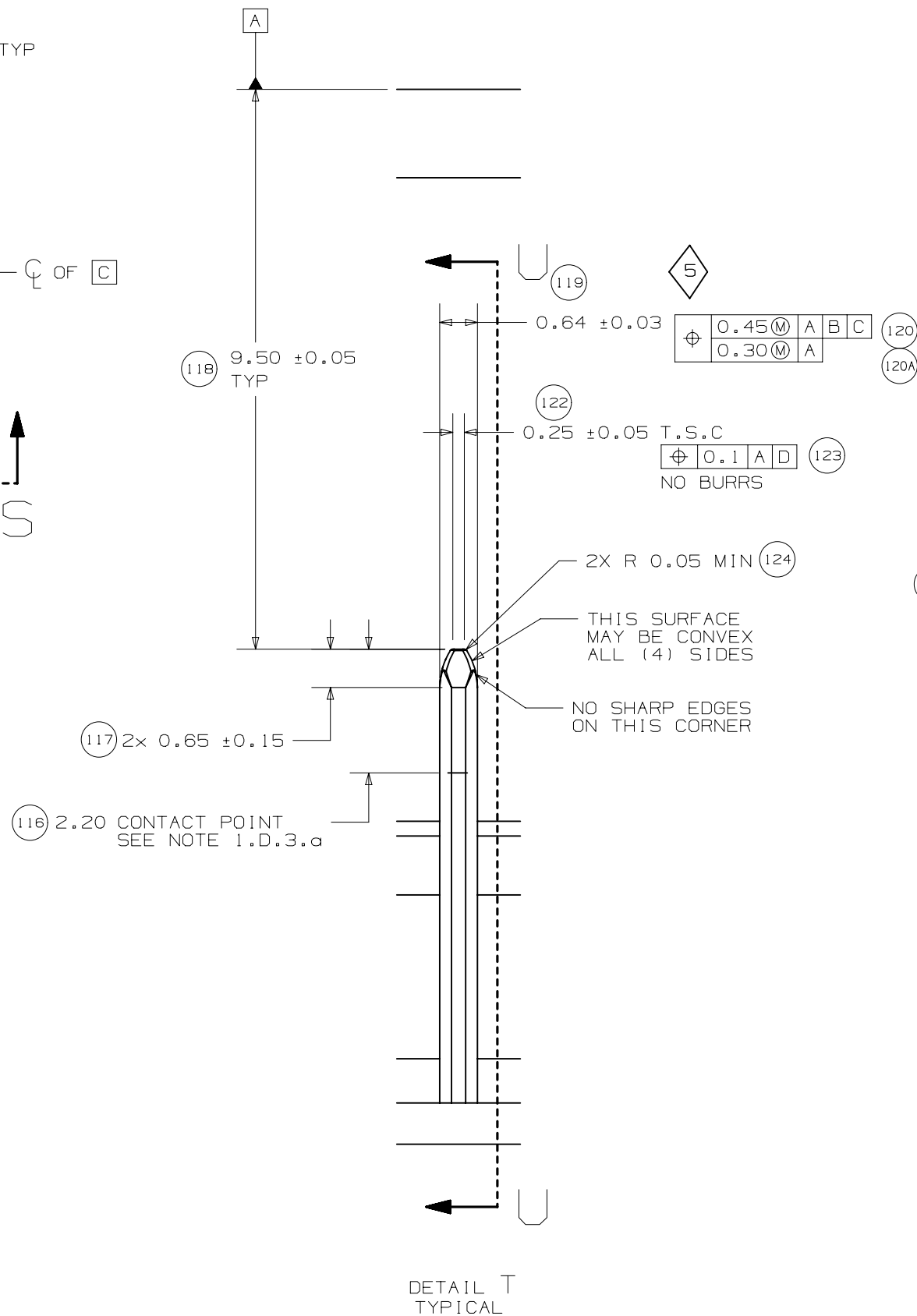
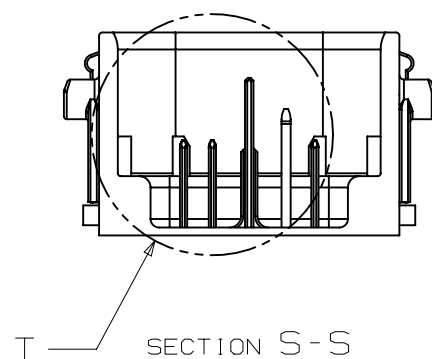
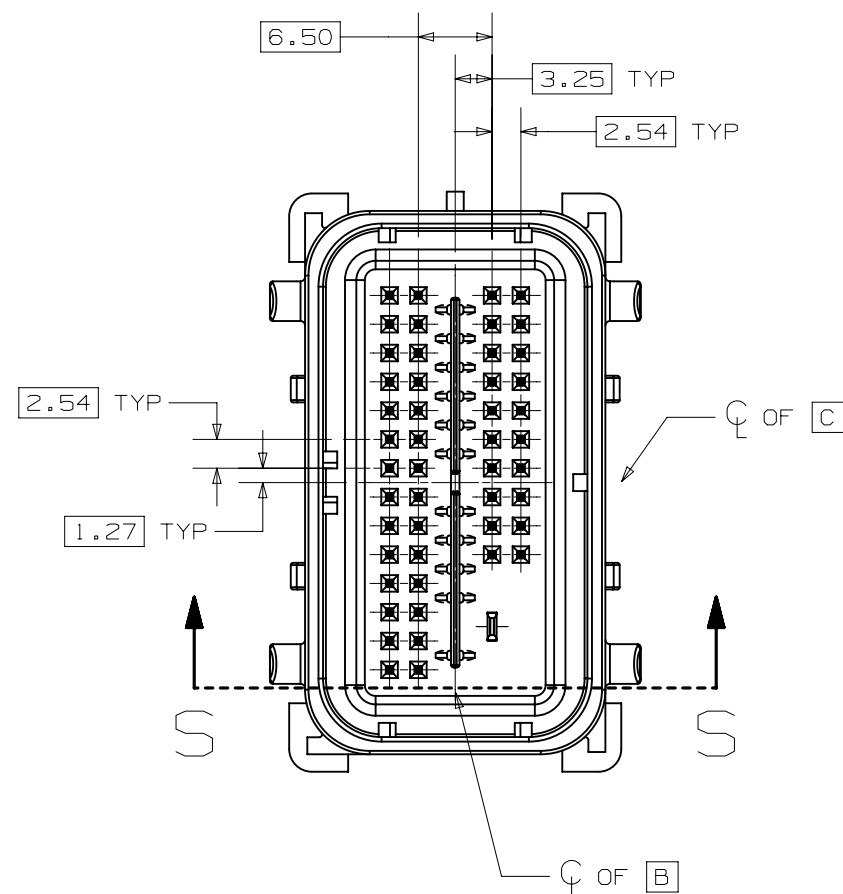


SECTION P-P

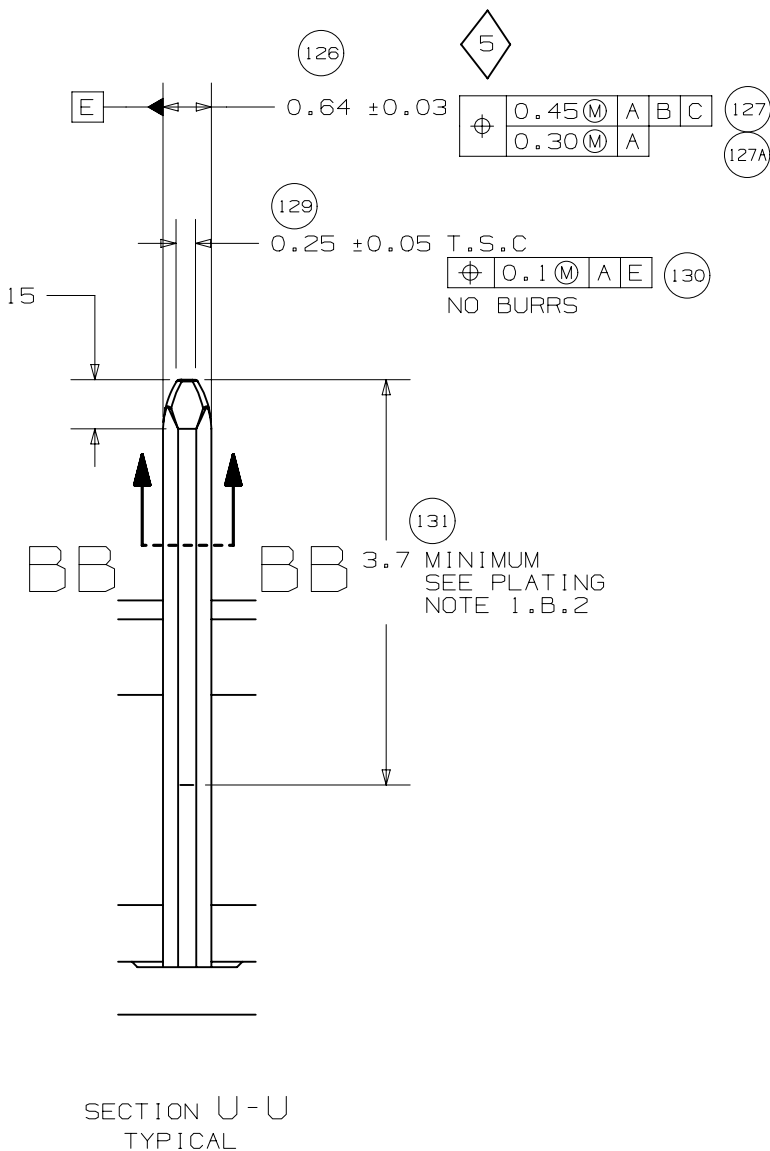
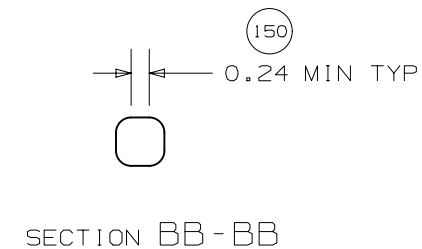


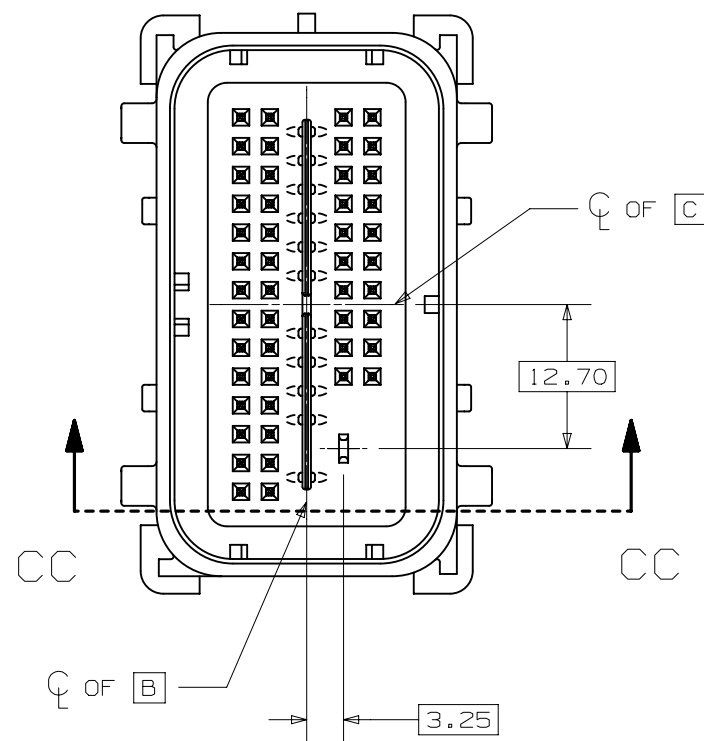
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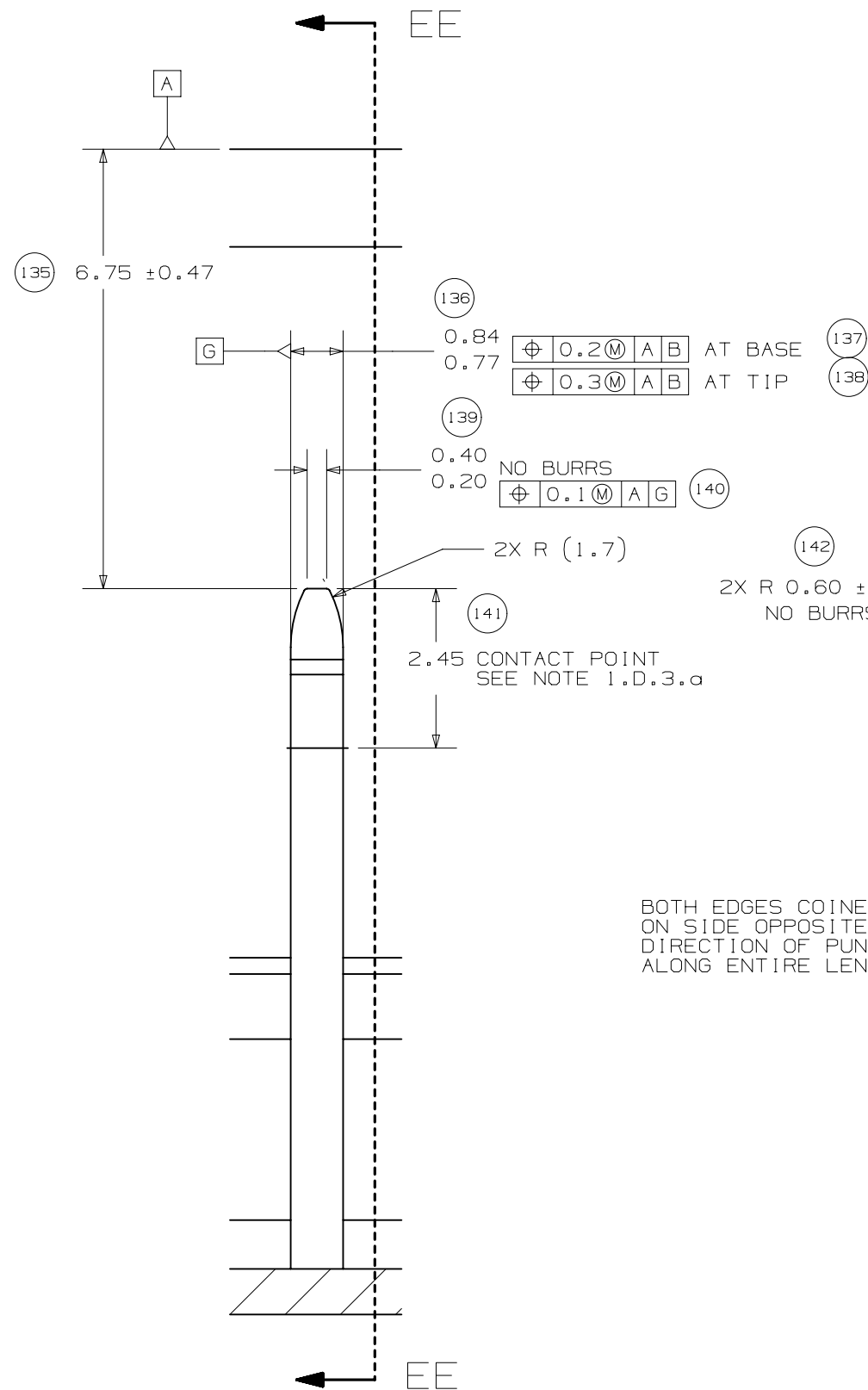
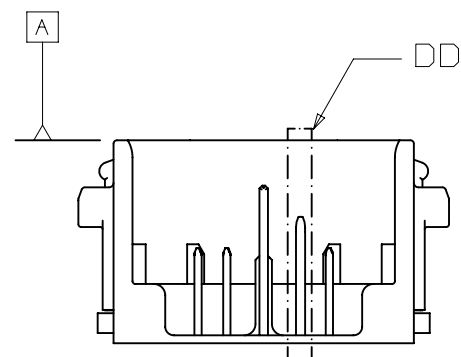


DETAIL T
TYPICAL

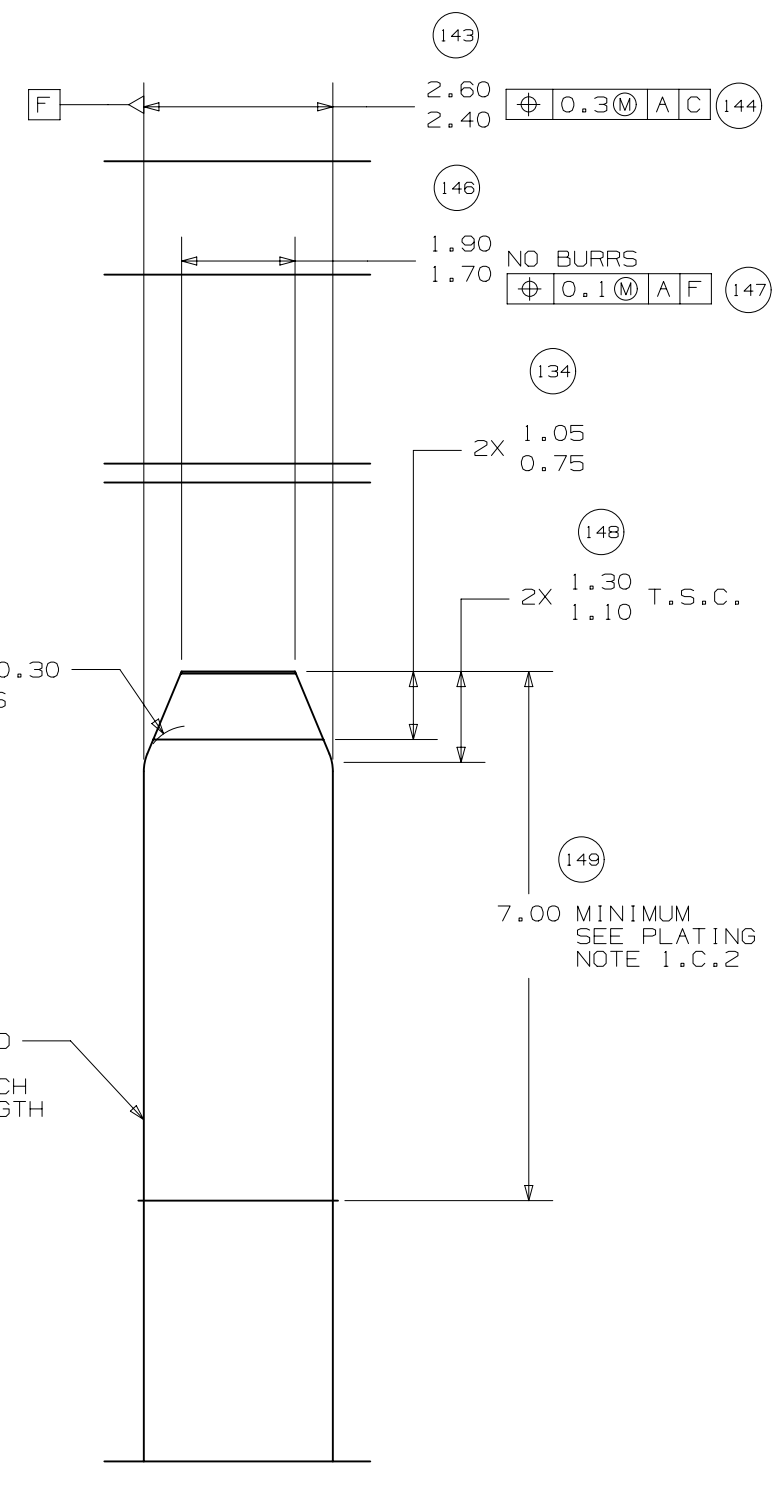




SECTION CC-CC



DETAIL DD
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SECTION EE-EE
TYPICAL

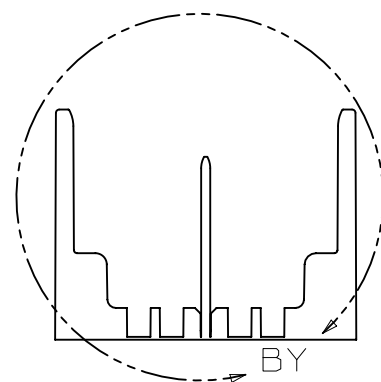
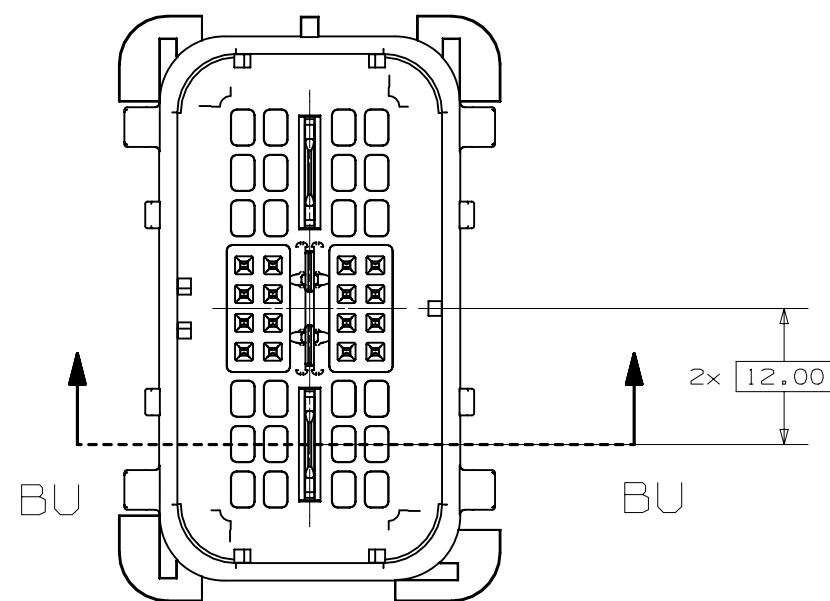


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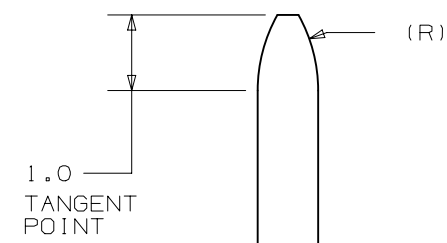
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R	001	

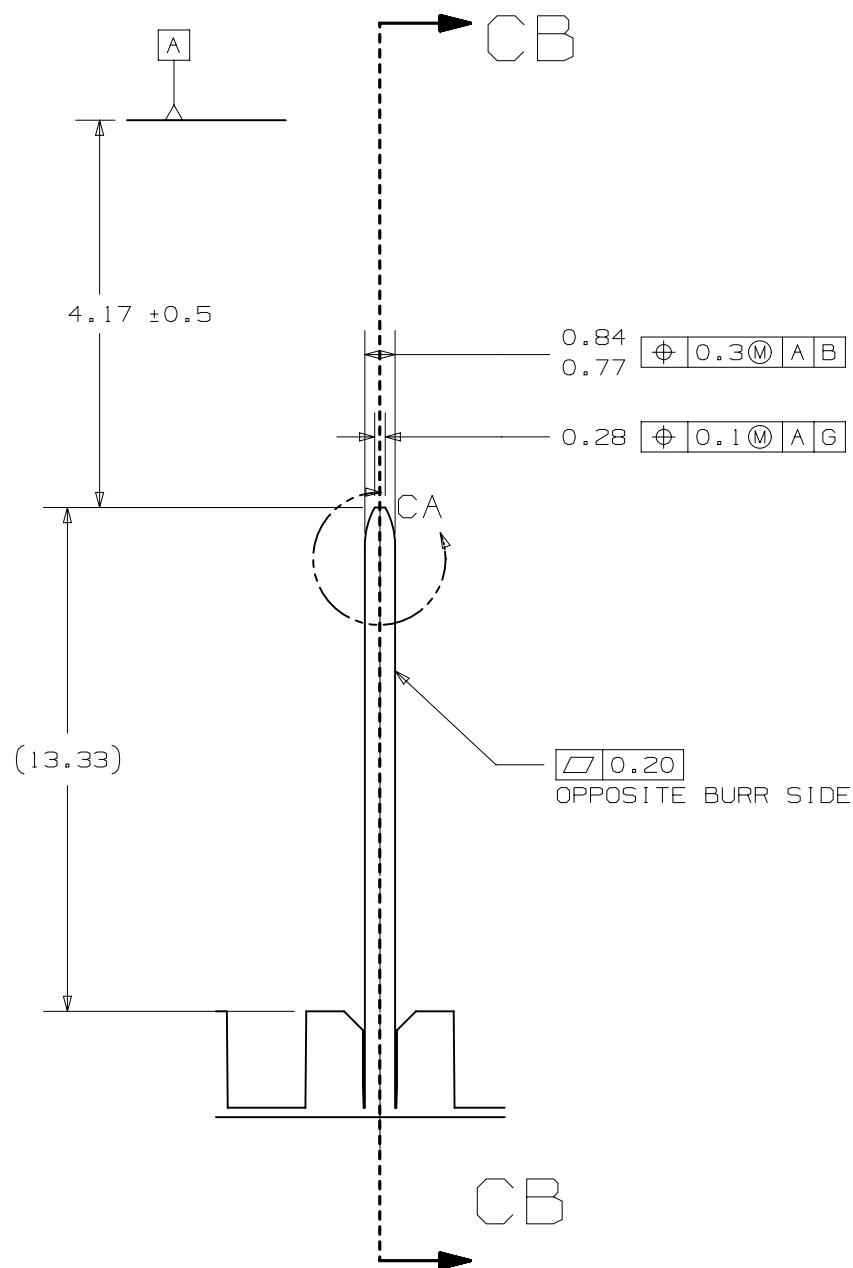
PAGE NUMBER
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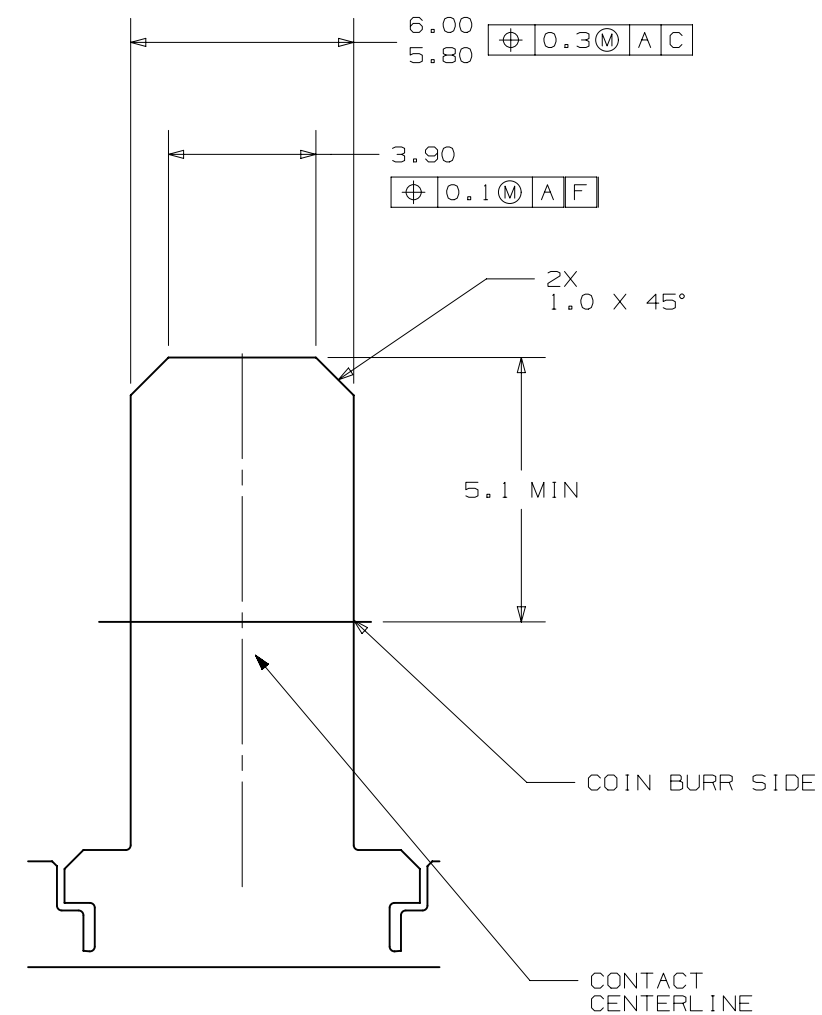
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VIEW CA
SCALE 10:1



VIEW BY
SCALE 5:1



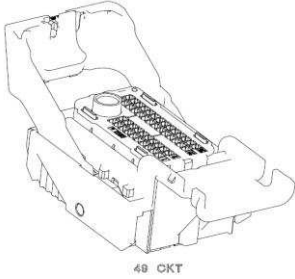
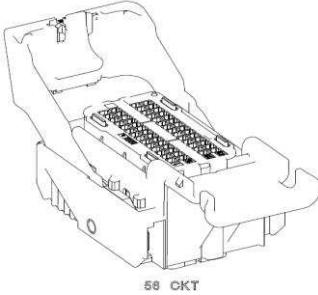
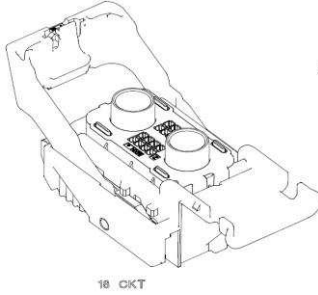
SECTION CB-CB



PAGE TITLE
COMPONENT CONNECTOR INTERFACE

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DWG STATUS			PAGE NUMBER	
ST	REV	PD1		
R	001		22	OF 22

UNCHECKED cavity number(s) are OPEN

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☐	☐	☐	☐	☒	☒	☒	☐	☐	☐	☒	☒	☒	☒
28	27	26	25	24	23	22	21	20	19	18	17	16	15
☐	☐	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☒
14	13	12	11	10	9	8	7	6	5	4	3	2	1
☐	☐	☒	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☒

FOR ADDITIONAL INFORMATION SEE SD-34576-001

STATUS	GM PART #	HRNS CONN ASSY			TPA GROMMET CAP																	
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION ▽ Fp	COLOR OPTION ▽ Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS ▽ Fp																
		NUMBER																				
SALEABLE	12672838	34576-0103	0	A	BLACK																	
CONCEPT ONLY	12672840	34576-0203	0	B	ST GRY	48	47	46	45	44	43	42	41	40	39	38	37	36	35			
SALEABLE	12672842	34576-0303	0	C	BLUE	34	33	32	31	30	29	28	27	26	25	24	23	22	21			
CONCEPT ONLY	TBD	34576-0403	0	D	BROWN	49				20	19	18	17	16	15	14	13	12	11			
CONCEPT ONLY	TBD	34576-0503	0	E	GREEN					10	9	8	7	6	5	4	3	2	1			
CONCEPT ONLY	TBD	34576-0603	0	F	NATURAL																	
SALEABLE	12672848	34576-0703	0	G	BLUE																	
SALEABLE	12672846	34576-0803	0	H	ST GRY	56	55	54	53	52	51	50	49	48	47	46	45	44	43			
TOOL DES. REL.	12672844	34576-0903	0	J	BLACK	42	41	40	39	38	37	36	35	34	33	32	31	30	29			
TOOL DES. REL.	TBD	34576-1003	0	K	BROWN	28	27	26	25	24	23	22	21	20	19	18	17	16	15			
TOOL DES. REL.	TBD	34576-1103	0	L	GREEN	14	13	12	11	10	9	8	7	6	5	4	3	2	1			
TOOL DES. REL.	TBD	34576-1203	0	M	NATURAL																	
SALEABLE	12672839	34576-1303	9	A	BLACK																	
CONCEPT ONLY	12672841	34576-1403	9	B	ST GRY	48	47	46	45	44	43	42	41	40	39	38	37	36	35			
SALEABLE	12672843	34576-1503	9	C	BLUE	34	33	32	31	30	29	28	27	26	25	24	23	22	21			
CONCEPT ONLY	TBD	34576-1603	9	D	BROWN	49				20	19	18	17	16	15	14	13	12	11			
CONCEPT ONLY	TBD	34576-1703	9	E	GREEN					10	9	8	7	6	5	4	3	2	1			
CONCEPT ONLY	TBD	34576-1803	9	F	NATURAL																	
SALEABLE	12672849	34576-1903	9	G	BLUE																	

STATUS	GM PART #	HRNS CONN ASSY			TPA GROMMET CAP															
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION ▽Fp	COLOR OPTION ▽Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS ▽Fp														
		NUMBER																		
TOOL DES. REL.	12672847	34576-2003	9	H	ST GRY	56	55	54	53	52	51	50	49	48	47	46	45	44	43	
TOOL DES. REL.	12672845	34576-2103	9	J	BLACK	42	41	40	39	38	37	36	35	34	33	32	31	30	29	
TOOL DES. REL.	TBD	34576-2203	9	K	BROWN	28	27	26	25	24	23	22	21	20	19	18	17	16	15	
TOOL DES. REL.	TBD	34576-2303	9	L	GREEN	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
TOOL DES. REL.	TBD	34576-2403	9	M	NATURAL															
SALEABLE	12672834	34851-0007	0	G	BLUE															
SALEABLE	12672836	34851-0008	0	H	ST GRY	18					17	16	15	14	1					
					13						12	11	10							
					9						8	7	6							
					5						4	3	2							
SALEABLE	12672835	34851-0019	9	G	BLUE															
SALEABLE	12672837	34851-0020	9	H	ST GRY	18					17	16	15	14	1					
					13						12	11	10							
					9						8	7	6							
					5						4	3	2							
CONCEPT ONLY		160095-0001	0	A	BLACK															
CONCEPT ONLY		160095-0002	0	B	ST GRY	27				26	25	24	23	22	21	1				
CONCEPT ONLY		160095-0003	0	C	BLUE					20	19	18	17	16	15					
						28				14	13	12	11	10	9	2				
										8	7	6	5	4	3					
CONCEPT ONLY		160095-0013	9	A	BLACK															
CONCEPT ONLY		160095-0014	9	B	ST GRY	1				21	22	23	24	25	26	27				
CONCEPT ONLY		160095-0015	9	C	BLUE					15	16	17	18	19	20					
						2				9	10	11	12	13	14	28				
										3	4	5	6	7	8					
CONCEPT ONLY		160051-0001	0	A	BLACK															
CONCEPT ONLY		160051-0003	0	C		1	2	3	4	5	6	7	8	9	10	42				
						11	12	13	14	15	16	17	18	19	20					
						41					21	22	23	24	25	26	27	28	29	30
											31	32	33	34	35	36	37	38	39	40
CONCEPT ONLY		160051-0013	9	A	BLACK															

STATUS	GM PART #	HRNS CONN ASSY			TPA GROMMET CAP															
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION ▽ Fp	COLOR OPTION ▽ Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS ▽ Fp														
		NUMBER																		
CONCEPT ONLY		160051-0015	9	C	BLUE	40	39	38	37	36	35	34	33	32	31	41				
						30	29	28	27	26	25	24	23	22	21					
						42				20	19	18	17	16	15	14	13	12	11	
										10	9	8	7	6	5	4	3	2	1	
SALEABLE	NOT APPLICABLE	34576-2503	0	G	BLUE	56	55	54	53				49	48	47			44		
								40			37	36	35	34	33					
							13	12			9		7	6				2		
SALEABLE	NOT APPLICABLE	34576-2603	0	G	BLUE	56	55	54	53				49	48	47			44		
								40			37	36	35	34	33					
							13	12			9		7	6						
SALEABLE	NOT APPLICABLE	34576-2703	0	G	BLUE															
SALEABLE	NOT APPLICABLE	34576-2803	0	G	BLUE		55	54	53		51		49	48	47			44		
								40			37	36	35	34	33					
								26						20	19	18				
SALEABLE	NOT APPLICABLE	34576-2903	0	G	BLUE		13	12			9		7							
						56	55		53				49	48	47	46	45	44		
								40	39		37	36	35	34	33			30		
SALEABLE	NOT APPLICABLE	34576-3003	0	G	BLUE				25					20	19	18				
							13	12			9		7							
						56	55	54	53				49	48	47			44		
SALEABLE	NOT APPLICABLE	34576-3103	0	G	BLUE			40			37	36	35	34	33				29	
														20	19	18		16	15	
							13	12			9		7	6				2		
SALEABLE	NOT APPLICABLE	34576-3203	0	G	BLUE	56	55	54	53				49	48	47	46	45	44		
								40	39		37	36	35	34	33					
														20	19	18				
SALEABLE	NOT APPLICABLE	34576-3203	0	G	BLUE		13	12			9		7							
							55	54	53				49	48	47	46		44		
								40			37	36	35	34	33	32	31			
SALEABLE	NOT APPLICABLE	34576-3203	0	G	BLUE			26						20	19	18				
							13	12			9		7							

STATUS	GM PART #	HRNS CONN ASSY			TPA	GROMMET CAP														
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION ▽Fp		COLOR OPTION ▽Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS ▽Fp													
		NUMBER																		
SALEABLE	NOT APPLICABLE	34576-3303	0	G	BLUE	56	55	54					49	48	47			44		
								40			37	36	35	34	33					
													20	19	18					
							13	12			9		7	6						
SALEABLE	NOT APPLICABLE	34576-3403	0	G	BLUE		55	54	53				49	48	47			44		
								40	39		37	36	35	34	33					
								26						20	19	18				
							13	12			9		7							
SALEABLE	NOT APPLICABLE	34576-3503	0	G	BLUE	56	55		53				49	48	47			44		
								40			37	36	35	34	33					
													20	19	18					
							13	12			9		7	6					2	
SALEABLE	NOT APPLICABLE	34576-3603	0	G	BLUE		55	54	53				49	48	47			44		
								40			37	36	35	34	33					
								26						20	19	18				
							13	12			9		7							
SALEABLE	NOT APPLICABLE	34576-3703	0	G	BLUE	56	55	54	53		51		49	48	47			44		
								40			37	36	35	34	33				29	
														20	19	18			16	15
							13	12			9		7	6					2	
SALEABLE	NOT APPLICABLE	34576-3803	0	G	BLUE	56		54	53				49		47	46		44		
								40	39		37	36	35		33	32	31		29	
									25					20	19	18			15	
							13	12			9		7						2	
SALEABLE	NOT APPLICABLE	34576-3903	0	G	BLUE	56		54	53				49		47			44		
								40	39		37	36	35		33				29	
									25					20	19	18			15	
							13	12			9		7							
SALEABLE	NOT APPLICABLE	34576-4003	0	G	BLUE	56	55	54	53				49	48	47		45	44		
								40	39		37	36	35	34	33				29	
									25					20	19	18			16	15
							13	12			9		7	6						1
SALEABLE	NOT APPLICABLE	34576-4103	0	G	BLUE	56	55	54	53				49	48	47	46		44		
								40	39	38	37	36	35	34	33	32	31		29	
									25					20	19	18			16	
							13	12			9		7							

STATUS	GM PART #	HRNS CONN ASSY			TPA GROMMET CAP													
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION ▽Fp	COLOR OPTION ▽Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS												
		NUMBER				▽Fp												
SALEABLE	NOT APPLICABLE	34576-4203	0	G	BLUE	56	55	54	53				49	48	47		45	44
								40	39		37	36	35	34	33		18	
							13	12			9		7					
SALEABLE	NOT APPLICABLE	34576-4303	0	G	BLUE	56	55	54	53		51		49	48	47		45	44
							41	40		38	37	36	35	34	33			30
								26	25	24		22	21	20	19		17	
							13	12			9		7			4	3	1
SALEABLE	NOT APPLICABLE	34576-4403	0	G	BLUE	56	55	54	53				49	48	47	46		44
								40	39		37	36	35	34	33	32	31	29
									25					20	19	18		16
								12			9		7					
SALEABLE	NOT APPLICABLE	34576-4503	0	G	BLUE	56	55		53				49	48	47	46		44
								40	39		37	36	35	34	33	32	31	30
									25	24		22	21	20	19	18		16
							13	12			9		7			4		2
SALEABLE	NOT APPLICABLE	34576-4603	0	G	BLUE	56	55	54	53				49	48	47	46		44
								40	39		37	36	35	34	33	32	31	29
									25					20	19	18		16
							13	12			9		7					
SALEABLE	NOT APPLICABLE	34576-4703	0	G	BLUE	56	55		53		51		49	48	47			44
								40	39		37	36	35	34	33			30
									25			22	21	20	19	18		16
							13	12			9		7			4		2
SALEABLE	NOT APPLICABLE	34576-4803	0	G	BLUE		55		53		51		49	48	47			44
								40	39		37	36	35	34	33			29
								26						20	19	18		16
							13	12			9		7			4		2
TOOL DES. REL.	NOT APPLICABLE	34576-4903	9	G	BLUE		55	54	53				49	48	47	46		44
								40			37	36	35	34	33	32	31	
								26						20	19	18		
							13	12			9		7					
SALEABLE	NOT APPLICABLE	34576-5003	0	G	BLUE		55	54	53				49	48	47		45	44
								40			37	36	35	34	33			
								26						20	19	18		
							13	12			9		7					

STATUS	GM PART #	HRNS CONN ASSY			TPA GROMMET CAP													
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION ▽Fp	COLOR OPTION ▽Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS												
		NUMBER				▽Fp												
SALEABLE	NOT APPLICABLE	34576-5103	0	G	BLUE		55		53		51		49	48	47			44
								40			37	36	35	34	33			29
								26		24				20	19	18		16
							13	12			9		7			4		2
SALEABLE	NOT APPLICABLE	34576-5203	0	G	BLUE	56	55	54	53				49	48	47			44
								40	39		37	36	35	34	33			29
														20	19	18		15
							13	12			9		7					
TOOL DES. REL.	NOT APPLICABLE	34576-5303	9	G	BLUE													
SALEABLE	NOT APPLICABLE	34576-5403	0	G	BLUE		55		53		51		49	48	47			44
								40	39		37	36	35	34	33			30
								26	25			22	21	20	19	18		16
							13	12			9		7			4		2
SALEABLE	NOT APPLICABLE	34576-5503	0	G	BLUE	56	55		53		51		49	48	47			44
								40	39		37	36	35	34	33			30
									25			22	21	20	19	18		16
							13	12			9		7			4		2
SALEABLE	NOT APPLICABLE	34576-5603	0	G	BLUE	56	55		53				49	48	47	46		44
								40	39		37	36	35	34	33	32	31	30
									25			22	21	20	19	18		16
							13	12			9		7			4		2
SALEABLE	NOT APPLICABLE	34576-5703	0	G	BLUE		55		53				49	48	47	46		44
								40	39		37	36	35	34	33	32	31	30
								26	25			22	21	20	19	18		16
							13	12			9		7			4		2
SALEABLE	NOT APPLICABLE	34576-5803	0	G	BLUE		55		53				49	48	47	46	45	44
								40	39		37	36	35	34	33			
								26	25					20	19	18		
							13	12			9		7					
SALEABLE	NOT APPLICABLE	34576-5903	0	G	BLUE	56			53	52					47		45	43
							41	40	39	38				34	33		31	30
						28	27	26	25	24				20	19	18		16
							13	12	11	10							3	2

STATUS	GM PART #	HRNS CONN ASSY			TPA GROMMET CAP															
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION ▽Fp	COLOR OPTION ▽Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS ▽Fp														
		NUMBER																		
SALEABLE	NOT APPLICABLE	34576-6003	0	G	BLUE	56			53	52		50			47		45		43	
								40	39	38			34	33		31	30	29		
						28	27	26	25	24				20	19	18		16		
						14	13	12	11	10					5	4	3	2		
SALEABLE	NOT APPLICABLE	34576-6103	0	G	BLUE	56	55	54	53		51		49	48	47			44		
								40	39		37	36	35	34	33				29	
														20	19	18		16	15	
							13	12			9		7			4		2		
SALEABLE	NOT APPLICABLE	34576-6203	0	G	BLUE		55	54	53				49	48	47	46	45	44		
								40			37	36	35	34	33					
								26						20	19	18				
							13	12			9		7							
SALEABLE	NOT APPLICABLE	34576-6303	0	G	BLUE		55	54	53		51		49	48	47			44		
								40	39		37	36	35	34	33				29	
								26						20	19	18		16	15	
							13	12			9		7			4		2		
SALEABLE	NOT APPLICABLE	34576-6403	0	G	BLUE		55	54					49	48	47			44		
							41	40			37	36	35	34	33					
														20	19	18				
							13	12			9	8	7				3			
SALEABLE	NOT APPLICABLE	34576-6503	0	G	BLUE			54						47	46	45		43		
							41	40	39	38	37				33	32	31	30	29	
						28	27	26	25	24	23			20	19	18		16		
							13	12	11	10	9						3	2		
SALEABLE	NOT APPLICABLE	34576-6603	0	G	BLUE			54						47	46	45		43		
							41	40	39	38	37			34	33	32	31	30	29	
						28	27	26	25	24	23			20	19	18		16		
							13	12	11	10	9						3	2		
SALEABLE	NOT APPLICABLE	34576-6703	0	G	BLUE		55			52	51			48		46	45		43	
							41	40	39	38					33	32	31	30	29	
						28		26	25	24				20	19	18		16	15	
							13	12	11	10							3	2	1	
SALEABLE	NOT APPLICABLE	34576-6803	0	G	BLUE					52				48		46	45		43	
							41	40	39	38					33	32	31	30	29	
						28		26	25	24				20	19	18		16	15	
							13	12	11	10							3	2	1	

STATUS	GM PART #	HRNS CONN ASSY			TPA GROMMET CAP													
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION ▽Fp	COLOR OPTION ▽Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS												
		NUMBER				▽Fp												
SALEABLE	NOT APPLICABLE	34576-6813	0	G	BLUE	56	55	54	53		51	50	49		47			44
						42			39		37	36	35	34				
							27		25		23	22	21			17		
						14			11		9	8	7	6	5	4		
SALEABLE	NOT APPLICABLE	34576-6823	0	G	BLUE	56		54	53			50	49		47			44
						42			39		37	36	35	34				
							27		25		23	22	21			17		
						14			11		9	8	7	6	5	4		
SALEABLE	NOT APPLICABLE	34576-6833	0	G	BLUE	56		54	53			50	49		47			
													21			17		
						14			11		9	8	7	6	5	4		
SALEABLE	NOT APPLICABLE	34576-6843	0	G	BLUE	56		54	53	52					47	46	45	43
							41	40	39	38	37				33	32	31	30
						28	27	26	25	24	23			20	19	18		16
							13	12	11	10	9						3	2
SALEABLE	NOT APPLICABLE	34576-6853	0	G	BLUE	56		54	53	52					47	46	45	43
							41	40	39	38	37			34	33	32	31	30
						28	27	26	25	24	23			20	19	18		16
							13	12	11	10	9						3	2
SALEABLE	NOT APPLICABLE	34576-6863	0	G	BLUE		55			52	51			48		46	45	43
							41	40		38					33	32	31	30
						28		26		24				20	19	18		16
							13	12		10							3	2
SALEABLE	NOT APPLICABLE	34576-6873	0	G	BLUE					52				48		46	45	43
							41	40		38					33	32	31	30
						28		26		24				20	19	18		16
							13	12		10							3	2
SALEABLE	NOT APPLICABLE	34576-6883	0	G	BLUE	56		54		52					47	46	45	43
							41	40	39	38	37			34	33	32	31	30
						28	27	26	25	24	23			20	19	18		16
							13	12	11	10	9						3	2
SALEABLE	NOT APPLICABLE	34576-6893	0	G	BLUE			54	53						47	46	45	
							41	40		38					33	32	31	30
						28	27	26	25	24				20	19	18		16
							13	12	11	10		8					3	2

STATUS	GM PART #	HRNS CONN ASSY			TPA GROMMET CAP															
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION ▽Fp	COLOR OPTION ▽Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS ▽Fp														
		NUMBER																		
SALEABLE	NOT APPLICABLE	34576-6913	9	G	BLUE			54	53						47	46	45		43	
							41	40		38					33	32	31	30	29	
						28	27	26	25	24				20	19	18		16		
							13	12	11	10		8						3	2	
SALEABLE	NOT APPLICABLE	34576-6923	9	G	BLUE			54	53						47	46	45		43	
							41	40	39	38					33	32	31	30	29	
						28	27	26	25	24	23			20	19	18		16		
							13	12	11	10	9	8						3	2	
TOOL DES. REL.	NOT APPLICABLE	34851-0025	0	G	BLUE	18									1					
TOOL DES. REL.	NOT APPLICABLE	34851-0026	0	H	ST GRV	18									1					
SALEABLE	NOT APPLICABLE	34576-6933	0	G	BLUE		55	54	53				49	48	47	46	45	44		
								40			37	36	35	34	33					
								26						20	19	18				
							13	12			9		7							
SALEABLE	NOT APPLICABLE	34576-6943	0	G	BLUE			54	53					47	46	45		43		
							41	40		38					33	32	31	30	29	
						28		26	25	24				20	19	18		16		
							13	12	11	10		8						3	2	
SALEABLE	NOT APPLICABLE	34576-6953	0	G	BLUE			54	53					47	46	45		43		
							41	40	39	38					33	32	31	30	29	
						28	27	26	25	24	23			20	19	18		16		
							13	12	11	10	9	8						3	2	
SALEABLE	NOT APPLICABLE	34576-6963	0	G	BLUE	56		54	53	52				47	46	45		43		
							41	40	39	38				34	33	32	31	30	29	
						28	27	26	25	24	23			20	19	18		16		
							13	12	11	10	9	8						3	2	
SALEABLE	NOT APPLICABLE	34576-6973	0	G	BLUE	56				52	51	50						43		
						42	41			39	38						32	31	30	29
						28	27			25	24	23	22	21				17	16	15
						14				11	10		8		6	5	4	3	2	1

STATUS	GM PART #	HRNS CONN ASSY			TPA GROMMET CAP													
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION Fp	COLOR OPTION Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS												
		NUMBER				Fp												
SALEABLE	NOT APPLICABLE	34576-6983	0	G	BLUE			54	53							46		44
								40	39	38	37	36				32	31	30
									25	24	23	22	21	20	19			
									11	10	9	8	7	6	5	4		2
SALEABLE	NOT APPLICABLE	34576-6993	0	G	BLUE	56	55	54	53	52	51				47	46	45	43
							41	40		38					33	32	31	30
						28	27	26	25	24				20	19	18		16
							13	12	11	10		8					3	2
SALEABLE	NOT APPLICABLE	34576-7003	0	G	BLUE	56	55	54		52	51				47	46	45	43
							41	40		38					33	32	31	30
						28	27	26	25	24				20	19	18		16
							13	12	11	10		8					3	2
SALEABLE	NOT APPLICABLE	34576-7013	0	G	BLUE	56	55	54	53	52	51				47	46	45	43
							41	40		38				34	33	32	31	30
						28	27	26	25	24				20	19	18		16
							13	12	11	10		8					3	2
SALEABLE	NOT APPLICABLE	34576-7023	0	G	BLUE	56	55	54		52	51				47	46	45	43
							41	40		38				34	33	32	31	30
						28	27	26	25	24				20	19	18		16
							13	12	11	10		8					3	2
SALEABLE	NOT APPLICABLE	34576-7033	0	G	BLUE	56		54	53	52					47	46	45	43
							41	40		38					33	32	31	30
						28	27	26	25	24				20	19	18		16
							13	12	11	10		8					3	2
SALEABLE	NOT APPLICABLE	34576-7043	0	G	BLUE	56		54		52					47	46	45	43
							41	40		38					33	32	31	30
						28	27	26	25	24				20	19	18		16
							13	12	11	10		8					3	2
SALEABLE	NOT APPLICABLE	34576-7053	0	G	BLUE	56		54	53	52					47	46	45	43
							41	40		38				34	33	32	31	30
						28	27	26	25	24				20	19	18		16
							13	12	11	10		8					3	2
SALEABLE	NOT APPLICABLE	34576-7063	0	G	BLUE	56		54		52					47	46	45	43
							41	40		38				34	33	32	31	30
						28	27	26	25	24				20	19	18		16
							13	12	11	10		8					3	2

STATUS	GM PART #	HRNS CONN ASSY			TPA GROMMET CAP															
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION Fp	COLOR OPTION Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS Fp														
		NUMBER																		
SALEABLE	NOT APPLICABLE	34576-7073	0	G	BLUE			54	53	52					47	46	45		43	
							41	40		38					33	32	31	30	29	
						28	27	26	25	24				20	19	18		16		
							13	12	11	10		8						3	2	
SALEABLE	NOT APPLICABLE	34576-7083	0	G	BLUE			54	53	52					47	46	45		43	
							41	40		38				34	33	32	31	30	29	
						28	27	26	25	24				20	19	18		16		
							13	12	11	10		8						3	2	
SALEABLE	NOT APPLICABLE	34576-7093	0	G	BLUE			54	53						47	46	45		43	
							41	40		38					33	32	31	30	29	
						28	27	26	25	24				20	19	18		16		
							13	12	11	10		8						3	2	
SALEABLE	NOT APPLICABLE	34576-7103	0	G	BLUE	56	55			52	51	50	49	48	47		45		43	
						42	41						35	34	33				29	
						28	27	26								18	17	16	15	
						14	13	12									3		1	
SALEABLE	NOT APPLICABLE	34576-7113	0	G	BLUE			54							47	46	45		43	
							41	40		38					33	32	31	30	29	
						28	27	26	25	24				20	19	18		16		
							13	12	11	10		8						3	2	
SALEABLE	NOT APPLICABLE	34576-7123	0	G	BLUE	56	55			52	51	50	49	48	47		45		43	
						42	41						35	34	33				29	
						28	27	26								18		16	15	
						14	13	12									3		1	
SALEABLE	NOT APPLICABLE	34576-7133	9	G	BLUE	56		54	53	52					47	46	45		43	
							41	40	39	38				34	33	32	31	30	29	
						28	27	26	25	24	23			20	19	18		16		
							13	12	11	10	9	8						3	2	
SALEABLE	NOT APPLICABLE	34576-7143	9	G	BLUE	56	55	54	53	52	51				47	46	45		43	
							41	40		38				34	33	32	31	30	29	
						28	27	26	25	24				20	19	18		16		
							13	12	11	10		8						3	2	
SALEABLE	NOT APPLICABLE	34576-7153	9	G	BLUE	56		54	53	52			49		47	46	45		43	
							41	40	39	38				34	33	32	31	30	29	
						28	27	26	25	24	23			20	19	18		16		
							13	12	11	10	9	8						3	2	

STATUS	GM PART #	HRNS CONN ASSY			TPA GROMMET CAP													
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION Fp	COLOR OPTION Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS												
		NUMBER				Fp												
SALEABLE	NOT APPLICABLE	34576-7163	0	G	BLUE				53				49		47	46	45	44
								40			37	36	35		33			
								26					20	19	18			
							13	12			9		7					
SALEABLE	NOT APPLICABLE	34576-7173	9	G	BLUE		55			52	51			48		46	45	
							41	40		38					33	32	31	30
						28		26		24				20	19	18		16
							13	12		10							3	2
SALEABLE	NOT APPLICABLE	34576-7183	0	G	BLUE	56	55		53				49	48	47	46		44
								40	39		37	36	35	34	33	32	31	30
									25	24		22	21	20	19	18		16
							13	12			9		7			4		2
SALEABLE	NOT APPLICABLE	34576-7193	9	G	BLUE	56		54	53	52					47	46	45	
							41	40		38				34	33	32	31	30
						28	27	26		24				20	19	18		16
							13	12		10							3	2
SALEABLE	NOT APPLICABLE	34576-7203	0	G	BLUE	56	55	54	53	52	51				47	46	45	
							41	40		38				34	33	32	31	30
						28	27	26	25	24				20	19	18		16
							13	12	11	10		8					3	2
SALEABLE	NOT APPLICABLE	34576-7213	0	G	BLUE	56	55			52	51	50	49	48	47	46	45	
						42	41						35	34	33		31	29
						28	27	26					21		19	18		16
						14	13	12								4	3	1
SALEABLE	NOT APPLICABLE	34576-7223	0	G	BLUE			54	53						47	46	45	
							41	40	39	38				34	33		31	30
						28	27	26	25	24			21	20	19	18		16
							13	12	11	10				6			3	2
SALEABLE	NOT APPLICABLE	34576-7233	0	G	BLUE											46	45	
														33				
												21				18	17	
																	3	
SALEABLE	NOT APPLICABLE	34576-7243	0	G	BLUE			54	53						47		45	
							41	40	39	38				34	33		31	30
						28	27	26	25	24				20	19	18		16
							13	12	11	10							3	2

STATUS	GM PART #	HRNS CONN ASSY			TPA GROMMET CAP																
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION Fp	COLOR OPTION Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS Fp															
		NUMBER																			
SALEABLE	NOT APPLICABLE	34851-0027	0	G	BLUE	18															
											9			7		6					
											5			3		2					
SALEABLE	NOT APPLICABLE	34851-0028	0	H	ST GRY	18					17	16	15	14							
																10					
																6					
											5	4	3	2							
SALEABLE	NOT APPLICABLE	34576-7253	0	G	BLUE	56		54	53	52						47	46	45		43	
							41	40	39	38						33	32	31	30	29	
						28	27	26	25	24	23				20	19	18		16		
							13	12	11	10	9	8						3	2		
SALEABLE	NOT APPLICABLE	34576-7263	0	G	BLUE	56	55	54	53	52	51	50						45		43	
						42	41	40	39					35	34	33					
						28	27										18		16		
						14	13											3	2		
SALEABLE	NOT APPLICABLE	34576-7273	0	G	BLUE	56	55	54	53	52	51	50						45			
						42	41	40	39					35	34	33					
						28	27										18		16		
						14	13											3	2		
SALEABLE	NOT APPLICABLE	34576-7283	0	G	BLUE			54	53							47	46	45		43	
							41	40		38					34	33	32	31	30	29	
						28	27	26	25	24					20	19	18		16		
							13	12	11	10		8			6			3	2		
SALEABLE	NOT APPLICABLE	34576-7293	9	G	BLUE			54	53					49	48	47	46	45		43	
							41	40		38						33	32	31	30	29	
						28	27	26	25	24					20	19	18		16	15	
							13	12	11	10		8			6			3	2	1	
SALEABLE	NOT APPLICABLE	34576-7303	0	G	BLUE	56	55			52	51	50						45			
						42	41							35	34	33					
						28	27										18		16		
						14	13											3			
SALEABLE	NOT APPLICABLE	34576-7313	0	G	BLUE	56	55	54	53	52	51	50						45			
						42	41	40	39					35	34	33					
						28	27				23						18	17	16		
						14	13				9							3	2		

STATUS	GM PART #	HRNS CONN ASSY			TPA GROMMET CAP													
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION ▽Fp	COLOR OPTION ▽Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS												
		NUMBER				▽Fp												
SALEABLE	NOT APPLICABLE	34576-7323	0	G	BLUE	56	55	54	53	52	51	50					45	
						42	41	40	39				35	34	33			
						28	27				23					18		16
						14	13				9						3	2
SALEABLE	NOT APPLICABLE	34576-7333	0	G	BLUE	56	55	54	53	52	51	50					45	
						42	41	40	39				35	34	33			
						28	27									18	17	16
						14	13										3	2
SALEABLE	NOT APPLICABLE	34576-7343	0	G	BLUE	56	55			52	51	50				46	45	
						42	41								33			
						28	27						21			18	17	16
						14	13										3	
SALEABLE	NOT APPLICABLE	34576-7353	0	G	BLUE	56			53	52		50			47	46	45	43
								40		38				34	33	32	31	30
						28	27	26	25	24			20	19	18		16	
							13	12	11	10		8				3	2	
SALEABLE	NOT APPLICABLE	34851-0029	9	G	BLUE	18							14	1				
													11					
												8	7					
												4	3					
SALEABLE	NOT APPLICABLE	34576-7363	0	H	ST. GRAY						51	50		48	47	46	45	
														34	33	32	31	29
													21	20				
										9	8	7	6		4	3	2	1
SALEABLE	NOT APPLICABLE	34576-7373	9	G	BLUE					52				48	47			43
								40			37	36		34				30
										24				20				15
						14							7					
SALEABLE	NOT APPLICABLE	34851-0030	0	H	ST. GRAY	18					17	16	15	14	1			
														10				
														6				
												4	3	2				
SALEABLE	NOT APPLICABLE	34576-9113	0	A	BLACK													
						49												

STATUS	GM PART #	HRNS CONN ASSY			TPA GROMMET CAP													
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION Fp	COLOR OPTION Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS Fp												
		NUMBER																
SALEABLE	NOT APPLICABLE	34576-9123	0	C	BLUE													
SALEABLE	NOT APPLICABLE	34576-7383	9	G	BLUE													
SALEABLE	NOT APPLICABLE	34576-7393	0	G	BLUE													
SALEABLE	NOT APPLICABLE	34576-7403	0	G	BLUE													
SALEABLE	NOT APPLICABLE	34576-7413	0	G	BLUE													
SALEABLE	NOT APPLICABLE	34576-7423	0	G	BLUE													
SALEABLE	NOT APPLICABLE	34576-7433	0	G	BLUE													
SALEABLE	NOT APPLICABLE	34576-7443	0	G	BLUE													
SALEABLE	NOT APPLICABLE	34576-7453	9	G	BLUE													

STATUS	GM PART #	HRNS CONN ASSY			TPA GROMMET CAP													
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION Fp	COLOR OPTION Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS												
		NUMBER				Fp												
SALEABLE	NOT APPLICABLE	34576-7463	9	G	BLUE											33		31
										24	23	22	21	20	19	18		16
										10	9	8	7	6				2
SALEABLE	NOT APPLICABLE	34576-7473	9	G	BLUE	56	55	54	53		51	50	49			46		44
						42	41		39	38			35		33	32	31	29
						28	27	26	25		23	22	21		19	18	17	16
							13	12	11	10	9	8		6	5	4	3	2
SALEABLE	NOT APPLICABLE	34576-7483	0	G	BLUE	56	55			52	51	50					45	
						42	41						35	34	33			
						28	27									18		16
						14	13									4	3	
SALEABLE	NOT APPLICABLE	34576-7493	0	G	BLUE	56	55	54	53	52	51	50					45	
						42	41	40	39									
						28	27									18		16
						14	13									4	3	2
SALEABLE	NOT APPLICABLE	34576-7503	0	G	BLUE	56	55			52	51	50					45	
						42	41											
						28	27									18		16
						14	13									4	3	
SALEABLE	NOT APPLICABLE	34576-7513	0	G	BLUE	56	55	54	53	52	51	50	49	48	47	46	45	44
						42	41	40	39	38			35	34	33	32	31	30
						28	27	26	25		23	22	21		19	18	17	16
						14	13	12	11	10	9	8		6	5	4	3	2
SALEABLE	NOT APPLICABLE	34576-7523	9	G	BLUE													
											37	36						
										24				20				
													7					
SALEABLE	NOT APPLICABLE	34576-7533	9	G	BLUE	56		54	53	52			49	48	47	46	45	43
							41	40	39	38				34	33	32	31	30
						28	27	26	25	24	23			20	19	18		16
							13	12	11	10	9	8					3	2
SALEABLE	NOT APPLICABLE	34576-7543	9	G	BLUE	56		54	53	52				48	47	46	45	43
							41	40	39	38				34	33	32	31	30
						28	27	26	25	24	23			20	19	18		16
							13	12	11	10	9	8					3	2

STATUS	GM PART #	HRNS CONN ASSY			TPA GROMMET CAP																	
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION ▽Fp	COLOR OPTION ▽Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS ▽Fp																
		NUMBER																				
SALEABLE	NOT APPLICABLE	34576-7553	0	A	BLACK	48		46		44	43			40	39	38			35			
						34	33	32	31		29			26	25	24	23		21			
						49						8	7					3		1		
SALEABLE	NOT APPLICABLE	34576-7563	0	C	BLUE	48	47	46	45	44			41	40	39	38	37	36				
						34	33	32		30					24	23		21				
						49						18	17	16	15	14	13	12				
SALEABLE	NOT APPLICABLE	34576-7573	0	G	BLUE					52	51	50					45	43				
													35	34	33	32						
						28	27	26							18			15				
SALEABLE	NOT APPLICABLE	34576-7583	0	G	BLUE					52	51	50					45	43				
																32						
						28	27	26							18			15				
SALEABLE	NOT APPLICABLE	34576-7593	0	G	BLUE					52	51	50					45	43				
													35	34	33	32						
						28	27	26							18			15				
SALEABLE	NOT APPLICABLE	34576-7603	0	G	BLUE					52	51	50					45	44				
																		30				
						28	27	26		24		22		20	19			16	15			
SALEABLE	NOT APPLICABLE	34576-7613	9	C	BLUE					44			41	40	39	38	37	36				
						34	33	32		30						24	23		21			
						49						18	17	16	15	14	13	12				
SALEABLE	NOT APPLICABLE	34576-7623	9	A	BLACK			46		44	43	42		40	39	38		35				
						34	33	32	31		29	28		26	25	24	23		21			
						49						8	7					3		1		
SALEABLE	NOT APPLICABLE	34576-7633	0	A	BLACK	48	47	46	45	44			41	40	39	38	37	36				
						34	33	32		30						24	23		21			
						49						18	17	16	15	14	13	12				
				10	9	8	7	6	5		3	2	1									

STATUS	GM PART #	HRNS CONN ASSY			TPA GROMMET CAP														
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION ▽Fp	COLOR OPTION ▽Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS ▽Fp													
		NUMBER																	
SALEABLE	NOT APPLICABLE	34576-7643	0	G	BLUE														
						42	41											30	29
						28		26			23			20			17		15
						14					9								1
SALEABLE	NOT APPLICABLE	34576-7653	0	C	BLUE	48	47	46	45					40		38	37	36	
						34		32	31		29				25	24	23	22	
						49				20	19	18	17	16				12	
										10	9				5			2	1
SALEABLE	NOT APPLICABLE	34576-7663	9	A	BLACK	48	47	46	45					40		38	37	36	
						34		32	31		29				25	24	23	22	
						49				20	19	18	17	16				12	
										10	9				5			2	1
SALEABLE	NOT APPLICABLE	34576-7673	0	C	BLUE	48	47	46	45	44			41	40	39	38	37	36	
						34	33	32		30		28	27			24	23		21
						49						18	17		15	14	13	12	
										10	9	8	7	6	5		3	2	1
SALEABLE	NOT APPLICABLE	34576-7683	0	A	BLACK	48		46		44	43	42			39	38		35	
						34		32	31		29	28			25	24	23		21
						49				20	19				14			11	
										10	9	8	7				3		1
SALEABLE	NOT APPLICABLE	34576-7693	0	G	BLUE					52	51	50				46	45		43
																32			
						28	27	26							18				15
						14	13	12					7	6			3		1
SALEABLE	NOT APPLICABLE	34576-7703	0	G	BLUE					52	51	50				46	45		43
													35	34	33	32			
						28	27	26							18				15
						14	13	12					7	6			3		1
SALEABLE	NOT APPLICABLE	34576-7713	0	G	BLUE					52	51	50				46	45		43
													35	34	33	32			
						28	27	26							18				15
						14	13	12					7	6		4	3		1
SALEABLE	NOT APPLICABLE	34576-7723	9	C	BLUE	48	47	46	45	44			41	40	39	38	37	36	
						34	33	32		30						24	23		21
						49						18	17	16	15	14	13	12	
										10	9	8	7	6	5		3	2	1

STATUS	GM PART #	HRNS CONN ASSY			TPA	GROMMET CAP														
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION ▽ Fp		COLOR OPTION ▽ Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS ▽ Fp													
		NUMBER																		
SALEABLE	NOT APPLICABLE	34576-7733	0	A	BLACK					44	43	42	41		39				35	
							33			30		28	27	26					21	
						49						18			15	14	13		11	
												8	7	6		4	3		1	
SALEABLE	NOT APPLICABLE	34576-7743	0	C	BLUE						43									
									31		29			26	25			22		
						49				20	19							11		
																4		2		
SALEABLE	NOT APPLICABLE	34576-7753	0	G	BLUE					52	51	50				46	45			
														33						
						28	27						21			18	17			
						14	13										3			
SALEABLE	NOT APPLICABLE	34576-7763	9	A	BLACK					44	43	42	41		39			35		
							33			30		28	27	26				21		
						49						18	17		14	13		11		
												8	7	6		4	3			
SALEABLE	NOT APPLICABLE	34576-7773	9	A	BLACK	48	47	46	45	44	43			40		38	37	36		
						34		32	31		29	28	27		25	24	23	22		
						49				20	19			16	15			12		
										10	9				5			2	1	
SALEABLE	NOT APPLICABLE	34851-0031	9	H	ST. GRAY	18						16	15		1					
												13	12							
												9	8	7						6
												5								
SALEABLE	NOT APPLICABLE	34576-7783	9	C	BLUE	48	47	46	45	44			41	40	39	38	37	36		
						34	33	32		30			27			24	23		21	
						49						18	17		15	14	13	12		
										10	9	8	7	6	5		3	2	1	
SALEABLE	NOT APPLICABLE	34576-7793	9	A	BLACK	48	47	46	45					40		38	37	36		
						34		32	31						25	24	23	22		
						49				20	19	18	17	16	15			12		
										10	9				5			2	1	
SALEABLE	NOT APPLICABLE	34576-7803	0	G	BLUE			54	53				49	48	47			44	43	
								40	39	38	37	36	35	34		32	31	30	29	
								26	25	24	23	22		20	19				15	
								12	11	10	9	8	7	6	5	4		2	1	

STATUS	GM PART #	HRNS CONN ASSY			TPA GROMMET CAP													
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION Fp	COLOR OPTION Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS												
		NUMBER				Fp												
SALEABLE	NOT APPLICABLE	34576-7813	9	C	BLUE	48	47	46	45	44			41	40	39	38	37	36
						34	33	32		30			27			24	23	21
						49				10	9	8	7		15	14	13	12
SALEABLE	NOT APPLICABLE	34576-7823	0	A	BLACK	48	47	46	45					40		38	37	36
						34		32	31		29				25	24	23	22
						49				20	19		17	16				12
SALEABLE	NOT APPLICABLE	34576-7833	0	C	BLUE	48	47		45	44			41	40	39	38	37	36
						34		32		30		28				24		21
						49					9		7	6	5		3	1
SALEABLE	NOT APPLICABLE	34576-7843	9	A	BLACK	48	47	46	45	44	43			40		38	37	36
						34		32	31			28	27		25	24	23	22
						49				20	19	18	17	16	15			12
SALEABLE	NOT APPLICABLE	34576-7853	0	C	BLUE	48	47	46	45	44		42	41	40	39	38	37	36
						34	33	32		30	29	28	27			24	23	21
						49				20		18	17	16	15	14	13	12
SALEABLE	NOT APPLICABLE	34576-7863	9	A	BLACK	48		46			43				39	38		36
						34	33		31		29		27		25	24	23	21
						49				20	19							11
SALEABLE	NOT APPLICABLE	34576-7873	9	C	BLUE	48	47	46	45	44	43		41	40	39	38	37	36
						34	33	32		30			27			24	23	21
						49					9	8	7	6	5		3	1
SALEABLE	NOT APPLICABLE	34576-7883	9	A	BLACK	48	47	46	45	44	43			40			37	36
						34		32	31		29		27		25	24	23	22
						49				20	19	18		16				12
SALEABLE	NOT APPLICABLE	34576-7893	9	A	BLACK	48	47	46	45					40		38	37	36
						34		32	31		29				25	24	23	22
						49				20	19		17	16				2

STATUS	GM PART #	HRNS CONN ASSY			GROMMET CAP															
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION Fp	COLOR OPTION Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS Fp														
		NUMBER																		
SALEABLE	NOT APPLICABLE	34576-7903	0	A	BLACK	48	47	46	45					40		38	37	36		
						34		32	31		29				25	24	23	22		
						49				20	19		17	16				12		
SALEABLE	NOT APPLICABLE	34576-7913	9	A	BLACK	48		46			43				39	38		36	35	
						34	33	32	31		29		27		25	24	23	22	21	
						49				20	19							11		
SALEABLE	NOT APPLICABLE	34576-7923	0	A	BLACK	48	47	46	45	44	43			40		38	37	36		
						34		32	31		29	28	27		25	24	23	22		
						49				20	19	18	17	16	15			12		
SALEABLE	NOT APPLICABLE	34576-7933	0	C	BLUE															
						49				20		18	17	16		14	13	12		
SALEABLE	NOT APPLICABLE	34576-7943	0	A	BLACK	48	47	46	45					40		38	37	36		
						34		32	31		29				25	24	23	22		
						49				20	19			16	15			12		
SALEABLE	NOT APPLICABLE	34576-7953	0	G	BLUE					52	51	50				46	45			
															33					
						28	27	26					21			18	17			
SALEABLE	NOT APPLICABLE	34576-7963	9	A	BLACK	48		46			43				39	38		36	35	
						34	33	32	31		29		27		25	24	23		21	
						49				20	19							11		
SALEABLE	NOT APPLICABLE	34576-7973	0	A	BLACK	48	47	46	45	44	43			40		38	37	36		
						34		32	31			28	27		25	24	23	22		
						49				20	19			16	15			12		
SALEABLE	NOT APPLICABLE	34576-7983	9	A	BLACK											38				
							33	32			29	28		26	25		23			
						49				20		18		16	15					
				10		8	7	6	5											

STATUS	GM PART #	HRNS CONN ASSY			TPA GROMMET CAP															
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION ▽ Fp	COLOR OPTION ▽ Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS ▽ Fp														
		NUMBER																		
SALEABLE	NOT APPLICABLE	34576-7993	9	C	BLUE		47		45	44		42		40	39	38	37	36		
						34		32		30		28				24	23		21	
						49						18	17		15	14	13	12	11	
SALEABLE	NOT APPLICABLE	34576-8003	0	A	BLACK	48	47	46	45	44	43			40		38	37	36		
						34		32	31		29	28	27		25	24	23	22		
						49				20	19			16				12		
SALEABLE	NOT APPLICABLE	34576-8013	0	H	ST GRY			54	53	52	51					46	45	44	43	
								40	39	38	37	36	35	34	33					
								26	25											
SALEABLE	NOT APPLICABLE	34576-8023	9	A	BLACK	14	13	12	11			8	7	6	5			2	1	
						48	47	46	45					40			37	36		
						34		32	31		29				25	24	23	22		
SALEABLE	NOT APPLICABLE	34576-8033	9	A	BLACK	49				20	19	18		16				12		
										10	9				5			2	1	
SALEABLE	NOT APPLICABLE	34576-8043	9	A	BLACK											38				
							33	32			29	28		26	25		23			
						49				20		18	17	16	15					
SALEABLE	NOT APPLICABLE	34576-8043	9	C	BLUE		47		45	44				40	39	38	37	36		
						34		32		30		28				24	23		21	
						49						18	17		15	14	13	12	11	
SALEABLE	NOT APPLICABLE	34576-8053	0	A	BLACK						9		7		5		3		1	
						48	47	46	45	44	43			40		38	37	36		
						34		32	31		29	28	27		25	24	23	22		
SALEABLE	NOT APPLICABLE	34576-8063	9	A	BLACK	49				20	19			16				12		
										10	9				5			2	1	
SALEABLE	NOT APPLICABLE	34576-8073	0	C	BLUE	48	47	46	45	44			41	40	39	38	37	36		
						34	33	32		30		28				24	23	22	21	
						49				20		18	17	16		14	13	12		
SALEABLE	NOT APPLICABLE	34576-8073	0	C	BLUE						9	8	7	6			3		1	

STATUS	GM PART #	HRNS CONN ASSY			TPA GROMMET CAP															
		MATERIAL/PART	WIRE DRESS OPTION	KEY OPTION ▽Fp	COLOR OPTION ▽Fp	NUMBERS INDICATE CAVITIES OPEN FOR CIRCUITS ▽Fp														
		NUMBER																		
SALEABLE	NOT APPLICABLE	34576-8083	0	H	ST GRY	56	55	54	53	52	51					46	45	44	43	
						42	41	40	39	38	37	36	35	34	33					
						28	27	26	25	24	23	22	21	20	19					
						14	13	12	11			8	7	6	5			2	1	
SALEABLE	NOT APPLICABLE	34576-8093	0	H	ST GRY			54	53	52	51					46	45	44	43	
								40	39	38	37	36	35	34	33					
						28	27	26	25	24	23									
						14	13	12	11			8	7	6	5			2	1	
SALEABLE	NOT APPLICABLE	34576-8103	0	H	ST GRY			54	53	52	51									
								40	39	38	37	36	35	34	33					
						28	27	26	25	24	23									
						14	13	12	11									2	1	
SALEABLE	NOT APPLICABLE	34576-8113	0	A	BLACK	48	47	46	45	44	43			40		38	37	36		
						34		32	31		29	28	27		25	24	23	22		
						49				20	19	18	17	16	15			12		
										10	9				5			2	1	
SALEABLE	NOT APPLICABLE	34576-8123	0	A	BLACK	48	47	46	45	44	43			40		38	37	36		
						34		32	31			28	27		25	24	23	22		
						49				20	19		17	16	15			12		
										10	9				5			2	1	
SALEABLE	NOT APPLICABLE	34576-8133	0	A	BLACK	48		46		44	43	42		40	39	38		35		
						34	33	32	31		29	28		26	25	24	23		21	
						49										14			11	
												8	7				3		1	

	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1					
M											KEY PRODUCT CHARACTERISTICS (IN ACCORDANCE WITH QN 1805 OR ON 1050)										M				
L											⊲ SAFETY/COMPLIANCE ◊ FIT/FUNCTION							TOTAL ON DRAWING		4		L			
K																		LAST NO. USED		4		K			
J											NO	TYPE	DESCRIPTION				RATIONALE				PAGE/ZONE		J		
I											1	F/F	32.68				IMPROVE CONNECTOR SYSTEM MATING				15		I		
H											2	F/F	29.00				INSURE PROPER RELEASE OF LEVER				15		H		
G											3	F/F	15.25				INSURE FINAL MATE POSITION				16		G		
F											4	F/F	POSITIONAL TOLERANCE (2 PLACES)				INSURE CONNECTOR SYSTEM MATIBILITY				19		F		
E																									E
D																									D
C																									C
B																									B
A																									A

ENTER DESCRIPTION EC NO: UAU2017-0870 DRAWN: CHITALE 2017/03/27 CHKD: A4 APPR: VKOSHY 2017/03/29 REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
	▽=0	4 PLACES ±	mm INCH	DRAWN BY DATE		TITLE			
	▽=0	3 PLACES ±		SKRAJENDRANA 2016/12/15		ICD - MX123 18/49/56CKT			
	▽=0	2 PLACES ±		CHECKED BY DATE		INTERFACE CONNECTION DRW			
		1 PLACE ±		VKOSHY 2016/12/15		MOLEX			
		0 PLACE ±		APPROVED BY DATE		MATERIAL NO.		DOCUMENT NO.	
				VKOSHY 2017/03/03		SD-34576-0001		SHEET NO.	
				ANGULAR ± 1 °		SEE BOM TABLE		3 OF 22	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

tb_frame_D_P_AM_T
Rev. G 2012/01/11

ENTER DESCRIPTION EC NO: UAU2017-0870 DRAWN: ITALIA 2017/03/27 CHKD: APPR: VKOSHY 2017/03/29 REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
				DRAWN BY SKRAJENDRANA	DATE 2016/12/15	TITLE ICD - MX123 18/49/56CKT INTERFACE CONNECTION DRW MOLEX		
				CHECKED BY VKOSHY	DATE 2016/12/15			
				APPROVED BY VKOSHY	DATE 2017/03/03			
		ANGULAR ± 1 °		MATERIAL NO.		DOCUMENT NO. SD-34576-0001		SHEET NO. 3 OF 22
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE BOM TABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

tb_frame_D_P_AM_T
Rev. G 2012/01/11

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL FOR INTERFACE:

- A. RESIN:
1. 30% G.F. PBT, 20% MAX. (BY WEIGHT) REGRIND.
2. MATING CONNECTOR INTERFACE PART COLOR MUST BE SAME AS MATCHING KEYED HARNESS CONNECTOR ASSEMBLY.
3. MUST BE VALIDATED FOR INDIVIDUAL DEVICE APPLICATION REQUIREMENTS.
- B. 0.64MM PINS:
1. BASE MATERIAL: COPPER ALLOY, CONDUCTIVITY >= 28% IACS AT 20°C, TENSILE STRENGTH >= 635 N/mm², SURFACE ROUGHNESS R_a6 MAX.
2. PLATING FINISH: SILVER (Ag). PLATING TO BE 1.9-3.3 µm ELECTRODEPOSITED SEMI-BRIGHT SILVER OVER 1.25-2.25 µm DUCTILE SULPHAMATE NICKEL PER NOTE 1(D).
3. ANTI-TARNISH: SYNTHETIC HYDROCARBON CONTACT SURFACE FINISH OR EQUIVALENT APPLIED WITHOUT VOID TO CONTACT AREA (MIN 3.7mm FROM PIN TIP).
- C. 2.8MM BLADE:
1. BASE MATERIAL: COPPER ALLOY, CONDUCTIVITY>= 28% IACS AT 20°C, TENSILE STRENGTH >= 350 N/mm², SURFACE ROUGHNESS R_a6 MAX.
2. PLATING FINISH: TIN. PLATING TO BE 2.5-5.0 µm ELECTRODEPOSITED TIN. MATTE FINISH OVER 1.25-2.5µm DUCTILE SULPHAMATE NICKEL PER NOTE 1(D).
- D. 6.3MM BLADE:
1. BASE MATERIAL: COPPER ALLOY, CONDUCTIVITY>= 50% IACS AT 20°C,
2. PLATING FINISH: SILVER (Ag) PLATING TO BE 1.9-3.3 µm ELECTRODEPOSITED SEMI-BRIGHT SILVER, OVER 1.25-2.5µm DUCTILE SULPHAMATE NICKEL PER NOTE 1(D) WITH ENVIRONMENTAL BARRIER
OR
TIN/SILVER (ELECTRO-DEPOSITED), UNDERPLATE 0.5-2.0 µm NICKEL OR COPPER.
TOP PLATING: 1.0-3.0 µm (SILVER RANGE 3.75-X.XX NO ANTI-TARNISH COATING REQUIRED).

- E. PLATING REQUIREMENTS:
1. SILVER PLATING
a. 99.5% PURE SEMI-BRIGHT WITH NO ORGANIC BRIGHTNERS OR CHROMATES.
2. NICKEL PLATING
a. ELECTRODEPOSITED DUCTILE SULFAMATE NICKEL WITH A NON-BRIGHTENED FINISH. NO ORGANIC OR BRIGHTENING AGENTS SHALL BE ALLOWED.
b. SHALL ONLY BE USED AS AN UNDERLYING PLATING AND MAY NOT BE USED AS AN ELECTRICAL CONTACT SURFACE PLATING.
c. SHALL BE NODULE FREE WHEN VIEWED AT 10X MAGNIFICATION IN MEASURED IN CONTACT SURFACE AREA PLUS 0.5MM PERIMETER AROUND THE CONTACT SURFACE AREA.
d. ALL PLATINGS SHALL HAVE A 1.0% MAXIMUM BY WEIGHT IMPURITIES. IMPURITIES ARE DEFINED AS ALL ELEMENTS NOT THE PRIMARY PLATING OR HARDENING AGENT IF APPLICABLE, AS DETERMINED BY WET CHEMICAL ANALYSIS OR AUGER METHOD. NO SINGLE IMPURTY SHALL EXCEED 0.1% MAXIMUM BY WEIGHT.
3. TESTING
a. THICKNESS TO BE MEASURED IN CONTACT SURFACE AREA PLUS 0.5MM PERIMETER AROUND THE CONTACT SURFACE AREA AS DESIGNATED IN THE DRAWING. THICKNESS SHALL BE DETERMINED BY METHOD OF X-RAY (XRF).
b. PLATING ADHESION SHALL BE TESTED BY A BEND TEST FOR ALL METALS. THE TEST SAMPLE SHALL BE BENT 90 DEGREES TO DETERMINE DEPOSIT ADHESION. TESTING SHALL BE COMPLETED IN ACCORDANCE WITH ASTM SPEC B571.

2. DESIGN - GENERAL:

- A. THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. WHERE DIMENSIONS ARE SPECIFIED ON THE DRAWING, THE DRAWING IS THE AUTHORITY FOR DIMENSIONAL VALUES. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.
B. DIMENSIONS OBTAINED FROM THE DIGITAL MODEL ARE BASIC:
1. FOR RELATIONSHIPS BETWEEN FEATURES WHEN ESTABLISHED BY GEOMETRIC TOLERANCES.
2. FOR THE FORM OF A FEATURE WHEN CONTROLLED BY A PROFILE TOLERANCE.
3. FOR THE SIZE, FORM AND/OR RELATIONSHIP BETWEEN FIXED DATUM TARGETS.
C. DIMENSIONS OBTAINED FROM THE DIGITAL MODEL ARE ROUNDED TO TWO DECIMAL PLACES (PER IEEE/ASTM SI 10-2002)
D. VIEWS AND SECTIONS ON THIS DRAWING ARE IN ACCORDANCE WITH GM DCS SECTION C3.
E. THE DIGITAL MODEL MUST CORRESPOND TO THE RELEASE LEVEL SHOWN IN THE PART BLOCK ON THIS DOCUMENT.
F. TOLERANCES:
1. LINEAR 0.X ± 0.30
0.XX ± 0.10
0.XXX ± 0.10
2. ANGULAR X° ± 3°
3.  0.0A(B)C
G. MINIMUM WALL THICKNESS REQUIRED: 1.3mm.
H. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
I. LETTERING SHALL BE 0.15 MAX RAISED IN 0.20 MAX RECESS PAD. THIS INCLUDES MATERIAL CODE, RECYCLING CODE, CAVITY ID AND DATE CODE.
K-1. PARTS MUST BE FREE OF DISCOLORATION, SALT RESIDUE AND OTHER IMPERFECTIONS THAT AFFECT FIT OR FUNCTION.
K-2. SCRATCHES OR DENTS NOT TO EXCEED 0.013mm IN DEPTH.
L. FOLLOWING PRODUCTION CODES TO BE PERMANENTLY MARKED & HUMAN READABLE TO A LETTER HEIGHT OF 1.5 ±0.5MM X 0.3 MAX DEEP
1. MATERIAL #: XXXXX-XXXX
2. DATE CODE: JJY (JULIAN DAY, LAST DIGIT OF YEAR)
3. INSPECTION MACHINE CODE + SERIAL #: X_XXXXX

3. DESIGN - MANUFACTURING:

- A. DRAFT TO BE WITHIN TOLERANCE.
B. ALLOWABLE FLASH MAX 0.2 HIGH X MAX 0.13 THICK.
C. ALLOWABLE PARTING LINE MISMATCH 0.2 MAX.
D. EJECTOR PINS MARK TO BE FLUSH TO 0.25 MAX DEPRESSED.
E. ALLOWABLE GATE VESTIGE FLUSH TO 0.25 MAX PROTRUSION.
F. NO EXTERNAL MOLD RELEASE AGENT ALLOWED DURING MANUFACTURING.
G. STEEL THAT FORMS THE INDICATED SURFACE MUST BE POLISHED WITH A DIAMOND FINISH (SPI A-2) OVER THE FULL PERIPHERY OF THE TOOL. SURFACE MUST HAVE NO MISMATCH.
H. ANY PROCESS LUBRICANT REMAINING ON THE TERMINAL MUST NOT VARNISH OR DEGRADE IT'S ELECTRICAL PERFORMANCE UP TO A MAXIMUM CLASS AMBIENT TEMPERATURE PER SAE USCAR-2 FOR 1008 HOURS. PROCESS LUBRICANTS SHOULD BE APPROVED BY THE RESPONSIBLE ENGINEER.
J. OPTIONAL FEATURES PROVIDED FOR AUTOMATION.
K. PART MUST BE FREE FROM BURRS AND SHARP EDGES, WHICH MIGHT BE DETRIMENTAL TO SATISFACTORY ASSEMBLY, SAFE HANDLING OR FUNCTION OF PART.
L. PARTS AS DELIVERED TO ASSEMBLY SHALL BE CLEAN AND FREE OF DEBRIS, RESIDUAL ABRASIVE MATERIAL AND CORROSION PRODUCTS ADVERESLY AFFECTING FUNCTION OR APPEARANCE.
M. RESTRICTED AND REPORTABLE SUBSTANCES FOR PARTS PER GMW3059.

ENTER DESCRIPTION IEC NO: UAU2017-0870 DRAWN BY: TALLIA CHKD: APPR: VKOSHY REV: A4	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE ICD - MX123 18/49/56CKT INTERFACE CONNECTION DRW MOLEX molex SD-34576-0001
				DRAWN BY SKRAJENDRANA	DATE 2016/12/15				
				CHECKED BY VKOSHY	DATE 2016/12/15				
				APPROVED BY VKOSHY	DATE 2017/03/03				
				MATERIAL NO. SEE BOM TABLE		DOCUMENT NO. SD-34576-0001			
				ANGULAR ± 1 °					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						SHEET NO. 5 OF 22			
				SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

4. SYSTEM REQUIREMENTS:

0.35mm2, MEETING GMW15626 - MIN OD OF 1.20MM
0.50mm2, MEETING GMW15626
0.75mm2, MEETING GMW15626 - MAX OD OF 2.06MM

1. CABLE TIE:
TENSILE RATING: 220N / (50lbs) MIN
TIE LENGTH: 186mm MIN
TIE WIDTH: 4.75mm MAX
MATERIAL: NYLON

2. INSTALLATION:
CABLE TIE TENSION: 190N MIN
3. DRESSED WIRE BUNDLE PACKAGING: SEE FIG. 1

1. SAE/USCAR-2, REV: 3 APRIL, 2001, CLASS 3
2. FIELD CORRELATED LIFE TEST, SAE/USCAR-20, NOV, 2001
3. GMW #3191 AUGUST 22, 2000 (DRAFT); TEMPERATURE CLASS 3 (145°C), SEALING CLASS 1 (HIGH PRESSURE SPRAY),
VIBRATION CLASS 2 (ON BODY)
4. TPA USER FORCES (FULLY POPULATED WITH TERMINALS)
a. REMOVAL FROM LOCK TO PRE-SET: <=120N

1. WIRE SURFACE MUST BE FREE OF SCRATCHES, GROOVES OR DENTS WHERE FUNCTIONAL

A. MX64 RCPT TERM

ALL TESTING DONE IN ACCORDANCE WITH USCAR-2 REV5 SECTION 5.3

2. MX64 RCPT TERM Ag 0.50/0.75mm2 CRIMPED TO 0.75mm2 ISO WIRE AND MATED TO MX123 0.64MM PIN: SEE TABLE BELOW

WIRE	CURRENT RATING			
	23 °C	85 °C	105 °C	125 °C
0.75mm2	11.3A	11.3A	9.5A	6.6A
0.50mm2	10.0A	10.0A	8.3A	5.7A
0.35mm2	8.5A	8.5A	7.1A	5.0A

ALL TESTING DONE IN ACCORDANCE WITH MOLEX DVP&R 0279 (TR# 7125)

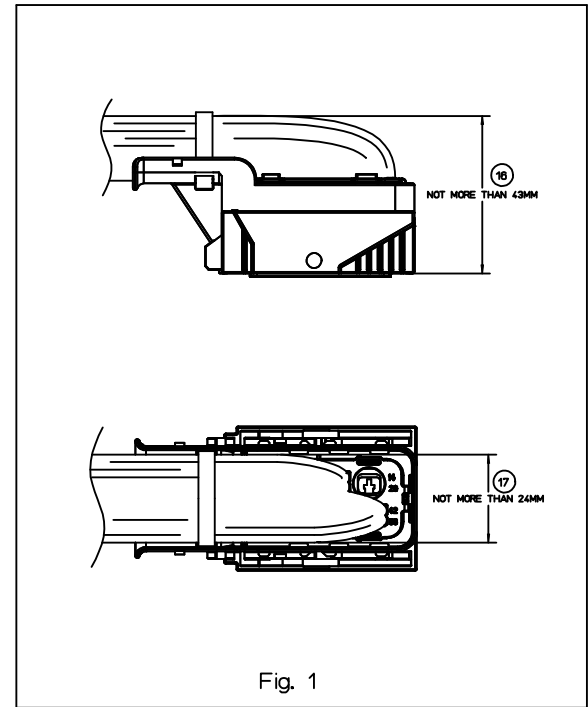
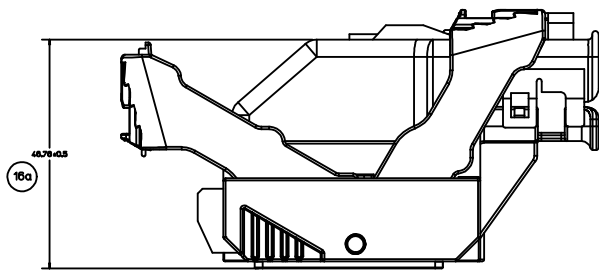
1. 2.8MM RCPT TERM TIN 2.0mm² CRIMPED TO 2.0mm² ISO WIRE AND MATED TO MX123 2.8MM BLADE: 25.6 AMPS AT 125°C

ALL TESTING DONE IN ACCORDANCE WITH USCAR-2 REV5 SECTION 5.3

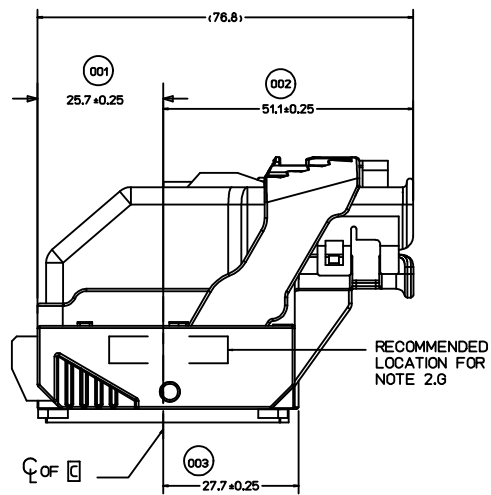
1. 6.3MM RCPT TERM TIN/SILVER CRIMPED TO 6.0MM BLADE (Sn/Ag PLATED): 36A AT 125°C

6. CONTACT MOLEX AUTOMOTIVE FOR AVAILABLE CUSTOM PATTERNS OF CAVITIES OPEN FOR CIRCUITS - SEE GM DRAWING 13507495

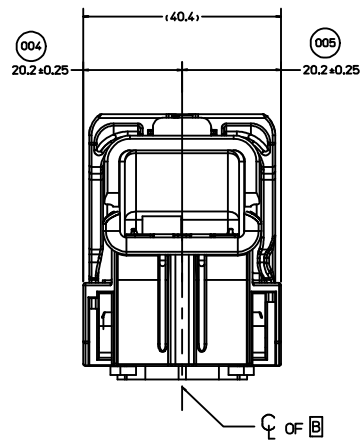
ENTER DESCRIPTION EC NO: JAUJ2017-0870 DOWNSHAFT I.A.1 CHKD: 2017/03/27 APPR: WDSHY 2017/03/29		QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1		DESIGN UNITS METRIC		 THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY DATE		TITLE						
			4 PLACES	±.005	±.0004	SKRA JENDRANA 2016/12/15		ICD - MX123 18/49/56CKT					
			3 PLACES	±.008	±.0003	CHECKED BY DATE		INTERFACE CONNECTION DRW					
			2 PLACES	±.013	±.0005	VKOSHY 2016/12/15		MOLEX					
		1 PLACE	±.025	±.0010	APPROVED BY DATE								
		0 PLACE	±.050	±.0020	VKOSHY 2017/03/03								
		ANGULAR ± 1°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.					
A4		VIEW		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE BOM TABLE		SD-34576-0001				6 OF 22	
				SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



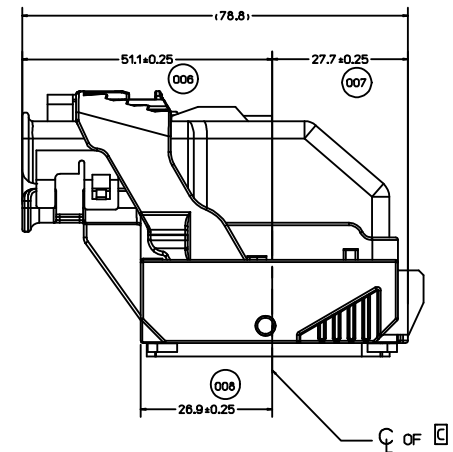
ENTER DESCRIPTION EC NO: UAU2017-0870 DRAWN BY: CHYD: 2017/03/27 CHKD: APPR: VKOSHY A4		QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE ICD - MX123 18/49/56CKT INTERFACE CONNECTION DRW MOLEX molex DOCUMENT NO. SD-34576-0001	SHEET NO. 7 OF 22
			mm INCH		DRAWN BY DATE						
			4 PLACES ± --- ± ---		SKRAJENDRANA 2016/12/15						
			3 PLACES ± --- ± ---		CHECKED BY DATE						
			2 PLACES ±0.13 ± ---		VKOSHY 2016/12/15						
			1 PLACE ±0.25 ± ---		APPROVED BY DATE						
			0 PLACE ± --- ± ---		VKOSHY 2017/03/03						
			ANGULAR ± 1 °		MATERIAL NO.						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE BOM TABLE						
					SIZE D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



WIRE DRESS OPTION 0 SHOWN



WIRE DRESS OPTION 0 SHOWN



WIRE DRESS OPTION 9 SHOWN

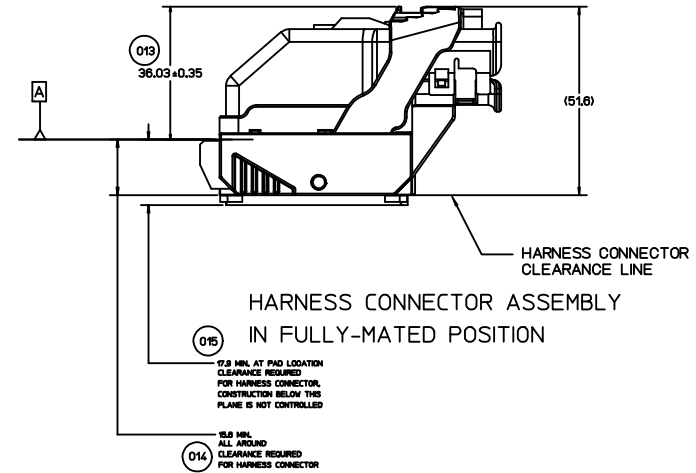
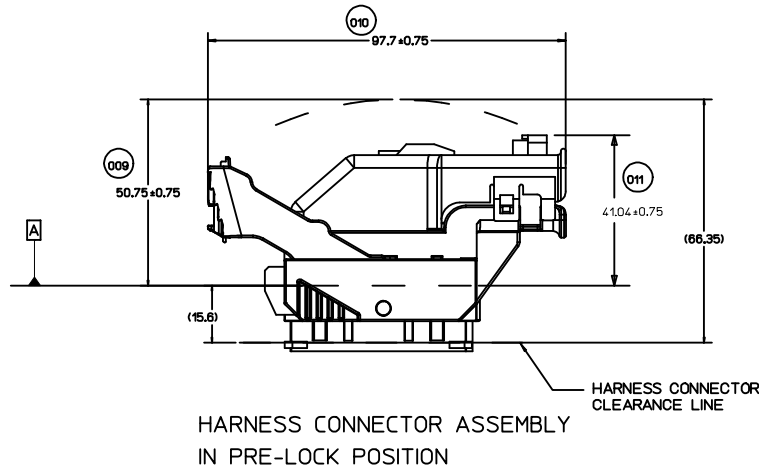
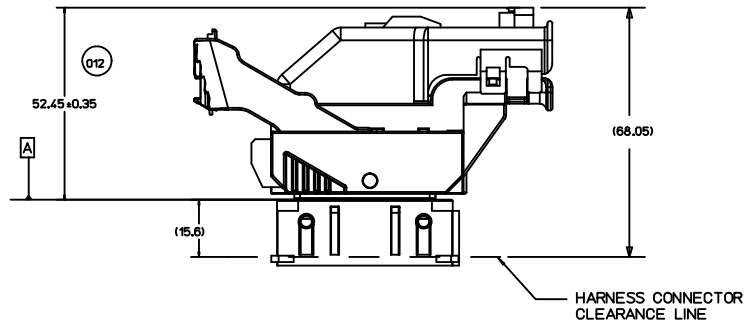
ENTER DESCRIPTION IEC NO: UAU2017-0870 DRAWN: ACHITALLA CHKD: CHYD APPR: WKOSHY 2017/03/27 2017/03/29 REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0			MM ONLY	1:1	METRIC	
	▽=0	4 PLACES	± ---	mm	INCH		
	▽=0	3 PLACES	± ---	± ---	± ---		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		2 PLACES	± 0.13	± ---	± ---		
		1 PLACE	± 0.25	± ---	± ---		
		0 PLACE	± ---	± ---	± ---		
		ANGULAR ± 1 °					
DRAWN BY		DATE		TITLE			
SKRAJENDRANA		2016/12/15		ICD - MX123 18/49/56CKT			
CHECKED BY		DATE		INTERFACE CONNECTION DRW			
VKOSHY		2016/12/15		MOLEX			
APPROVED BY		DATE					
VKOSHY		2017/03/03					
MATERIAL NO.		DOCUMENT NO.					
SEE BOM TABLE		SD-34576-0001					
SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
D							

molex

SD-34576-0001

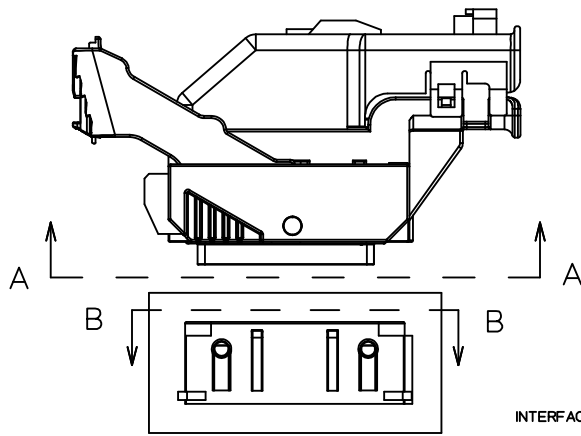
SHEET NO.
8 OF 22

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

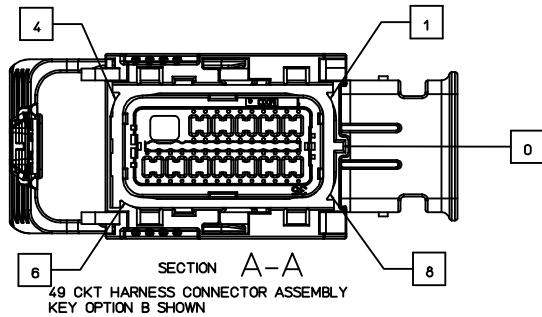


ENTER DESCRIPTION IEC NO: UAU2017-0870 DRAWN BY: ITALIA CHKD: VKOSHY APPR: VKOSHY REV: A4	DESCRIPTION 2017/03/27	QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE ICD - MX123 18/49/56CKT INTERFACE CONNECTION DRW MOLEX molex
		▽=0		4 PLACES ± ---		DRAWN BY SKRAJENDRANA		DATE 2016/12/15			
		▽=0		3 PLACES ± ---		CHECKED BY VKOSHY					
				▽=0		2 PLACES ± 0.13		DATE 2016/12/15			
				1 PLACE ± 0.25		APPROVED BY VKOSHY					
				0 PLACE ± ---		DATE 2017/03/03					
				ANGULAR ± 1 °		MATERIAL NO.		DOCUMENT NO.			
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE BOM TABLE		SD-34576-0001			
						SIZE D					

moLEX

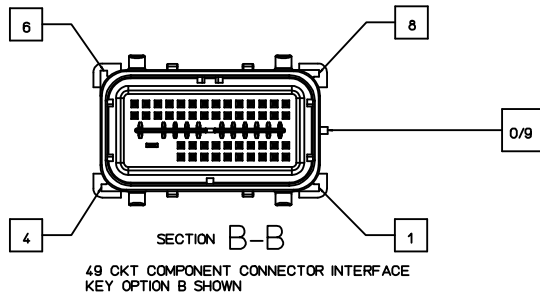


INTERFACE SIDE SHOWN IN ALL SECTION VIEWS



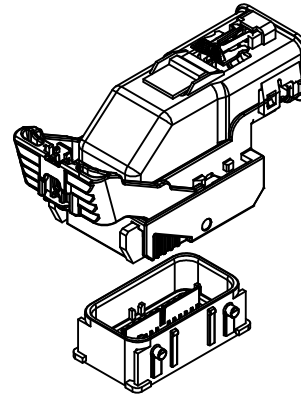
SECTION A-A

49 CKT HARNESS CONNECTOR ASSEMBLY
KEY OPTION B SHOWN

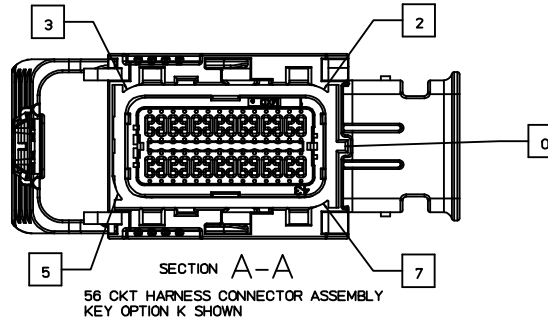


SECTION B-B

49 CKT COMPONENT CONNECTOR INTERFACE
KEY OPTION B SHOWN

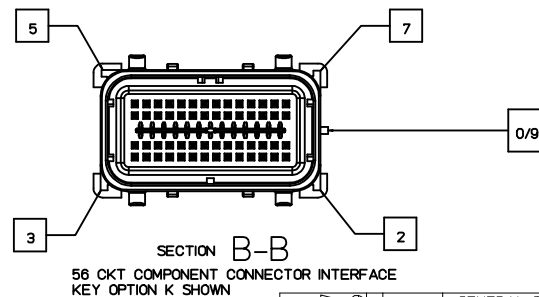


NOTE: REFERENCE THE COMPONENT TABLE
FOR KEY OPTIONS AND CONFIGURATIONS



SECTION A-A

56 CKT HARNESS CONNECTOR ASSEMBLY
KEY OPTION K SHOWN

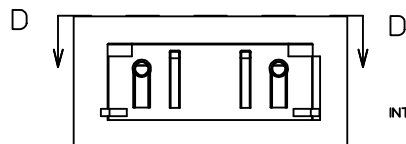
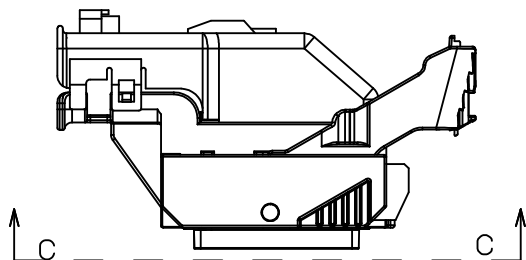


SECTION B-B

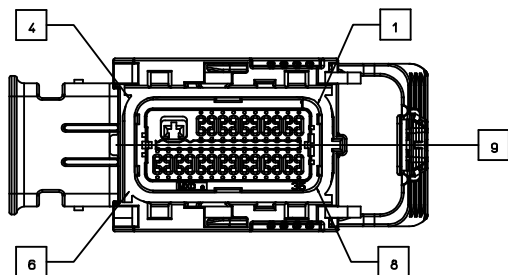
56 CKT COMPONENT CONNECTOR INTERFACE
KEY OPTION K SHOWN

ENTER DESCRIPTION IEC NO: UAU2017-0870 DRAWN BY: DRWNACHITALIA CHKD: APPR:VKOSHY 2017/03/27 2017/03/29 A4	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
				MM ONLY		1:1	METRIC		
						TITLE			ICD - MX123 18/49/56CKT
									INTERFACE CONNECTION DRW
									MOLEX
									molex
</									

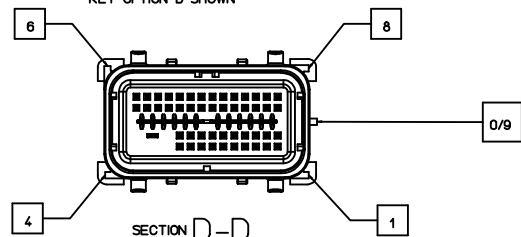
20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



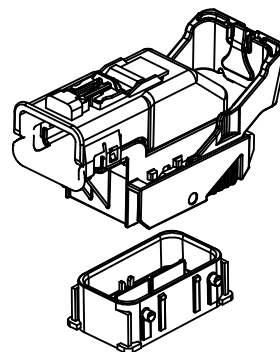
INTERFACE SIDE SHOWN ON ALL SECTION VIEWS



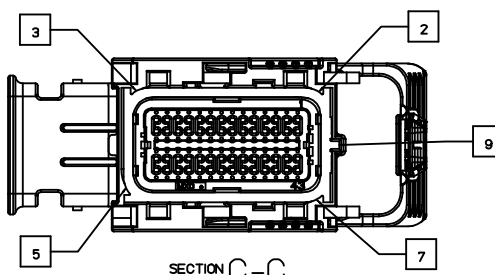
SECTION C-C
49 CKT HARNESS CONNECTOR ASSEMBLY
KEY OPTION B SHOWN



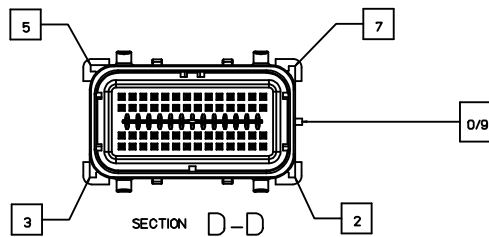
SECTION D-D
49 CKT COMPONENT CONNECTOR INTERFACE
KEY OPTION B SHOWN



NOTE: REFERENCE THE COMPONENT TABLE
FOR KEY OPTIONS AND CONFIGURATIONS

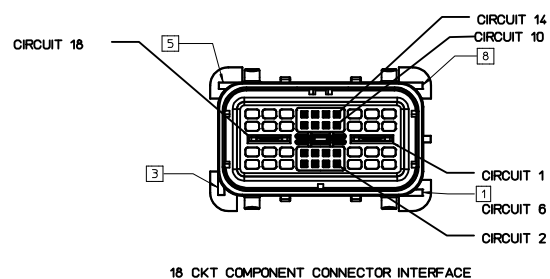
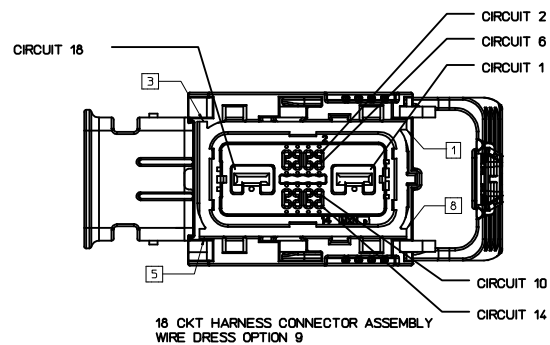
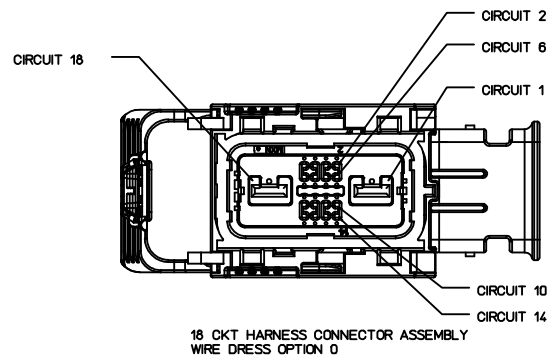


SECTION C-C
56 CKT HARNESS CONNECTOR ASSEMBLY
KEY OPTION K SHOWN



SECTION D-D
56 CKT COMPONENT CONNECTOR INTERFACE
KEY OPTION K SHOWN

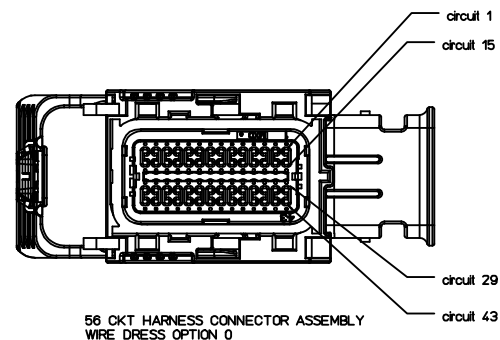
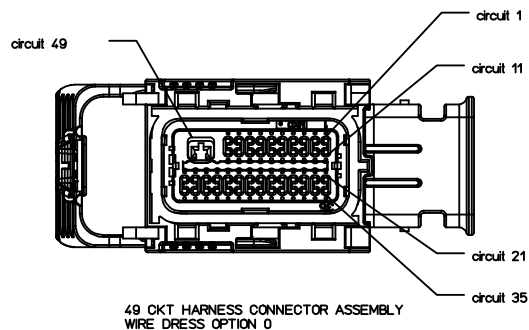
ENTER DESCRIPTION IEC NO. UAU2017-0870 DRAWN: ACHITALLA CHKD: APPR: VKOSHY REV A4	DESCRIPTION 2017/03/17	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± --- 0 PLACE ± --- ± --- ANGULAR ± 1 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY	SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	DRAWN BY SKRAJENDRANA CHECKED BY VKOSHY APPROVED BY VKOSHY	DATE 2016/12/15 2016/12/15 2017/03/03	TITLE ICD - MX123 18/49/56CKT INTERFACE CONNECTION DRW MOLEX	DOCUMENT NO. SD-34576-0001	SHEET NO. 11 OF 22



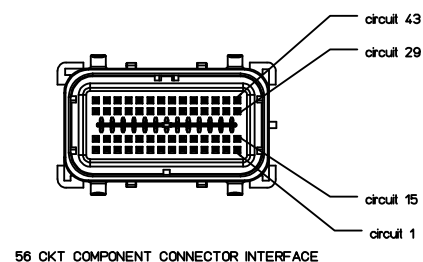
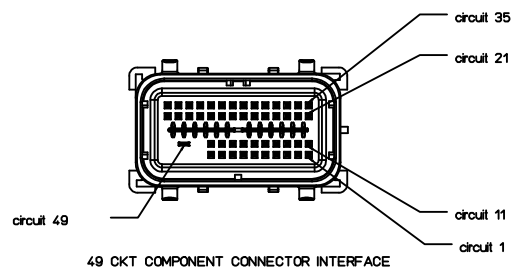
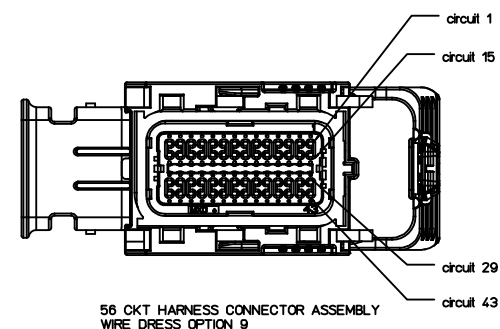
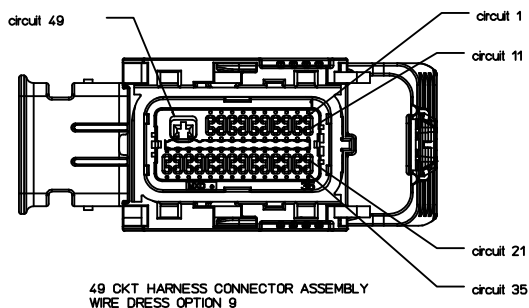
INTERFACE SIDE SHOWN ON ALL VIEWS

ENTER DESCRIPTION IEC NO: UAU2017-0870 DRAWN: ACHITALIA CHKD: VKOSHY APPR: VKOSHY 2017/03/27 2017/03/29 REV			QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
			▽=0		mm		INCH		DRAWN BY		DATE		TITLE			
			▽=0		4 PLACES ±		±		SKRAJENDRANA		2016/12/15		ICD - MX123 18/49/56CKT INTERFACE CONNECTION DRW			
			▽=0		3 PLACES ±		±		CHECKED BY		DATE		MOLEX			
A4			▽=0		2 PLACES ± 0.13		±		VKOSHY		2016/12/15		molex SD-34576-0001 12 OF 22			
			▽=0		1 PLACE ± 0.25		±		APPROVED BY		DATE					
			▽=0		0 PLACE ±		±		VKOSHY		2017/03/03					
			▽=0		ANGULAR ± 1 °		MATERIAL NO.		DOCUMENT NO.							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			▽=0		SEE BOM TABLE		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO.					
			▽=0		SIZE		DATE		DATE		DATE					
			▽=0		DATE		DATE		DATE		DATE					
			▽=0		DATE		DATE		DATE		DATE					

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

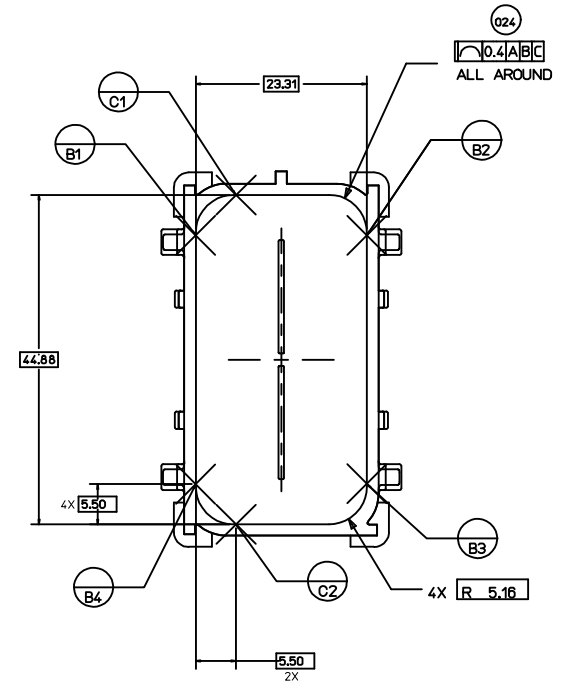
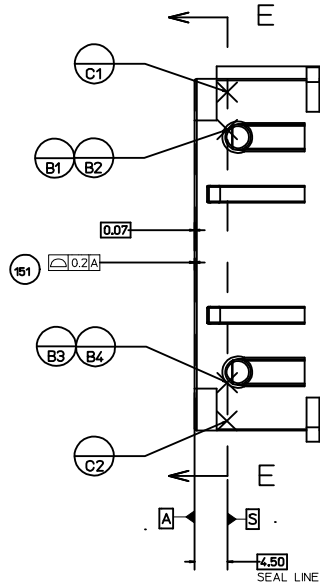
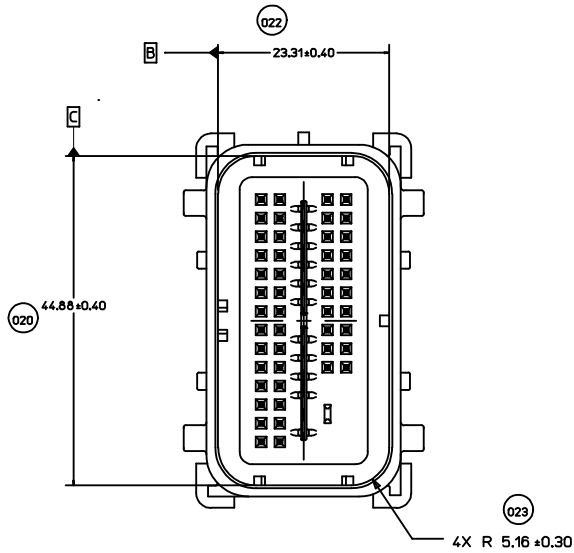
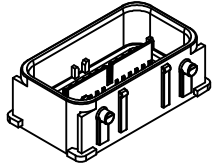


INTERFACE SIDE SHOWN ON ALL VIEWS



ENTER DESCRIPTION IEC NO: UAU2017-0870 DRAWN BY: DRWNACHITALIA CHKD: CHKO: APPR: VKOSHY REV A4	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED):		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE ICD - MX123 18/49/56CKT INTERFACE CONNECTION DRW MOLEX	DOCUMENT NO. SD-34576-0001	SHEET NO. 13 OF 22		
				DRAWN BY DATE SKRAJENDRANA 2016/12/15									
				CHECKED BY DATE VKOSHY 2016/12/15									
				APPROVED BY DATE VKOSHY 2017/03/03									
				ANGULAR ± 1 °		MATERIAL NO.						SEE BOM TABLE	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE D						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	

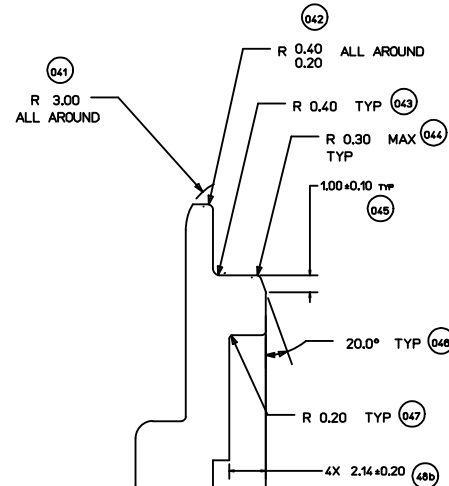
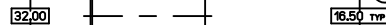
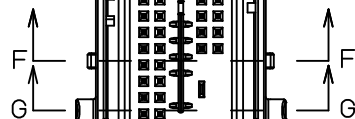
19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



SECTION E-E
(AT SEAL LINE)

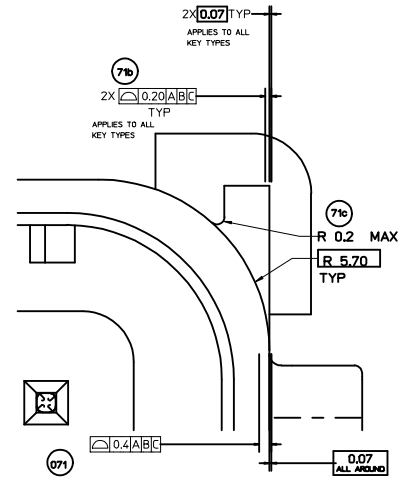
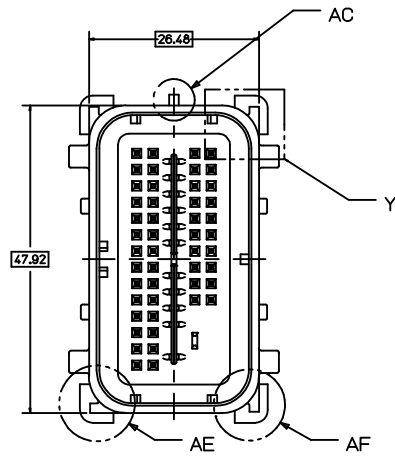
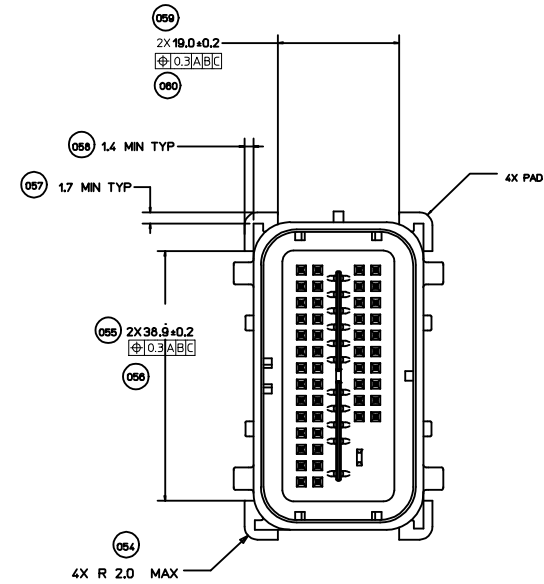
UNLESS SPECIFIED, TOLERANCE OF THE DEVICE INTERFACE TO BE ± 0.13 ABC

ENTER DESCRIPTION EC NO. UAU2017-0870 DRAWN IN ITALY CHKD: APPR: VKOSHY A4	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE ICD - MX123 18/49/56CKT INTERFACE CONNECTION DRW MOLEX
		mm		INCH					
		4 PLACES ± ---		DRAWN BY SKRAJENDRANA DATE 2016/12/15					
		3 PLACES ± ---		CHECKED BY DATE 2016/12/15					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	REVISION	ANGULAR ± 1 °		MATERIAL NO.		DOCUMENT NO. SD-34576-0001	SHEET NO. 14 OF 22		
		1 PLACE ± 0.25		APPROVED BY DATE 2017/03/03					
		0 PLACE ± ---		VKOSHY					
		0 PLACE ± ---		VKOSHY					
SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

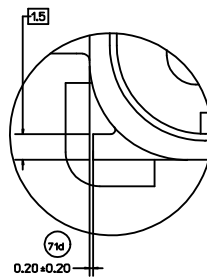
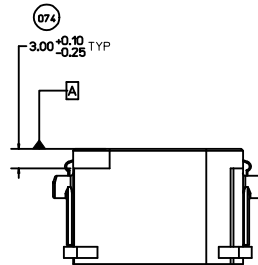
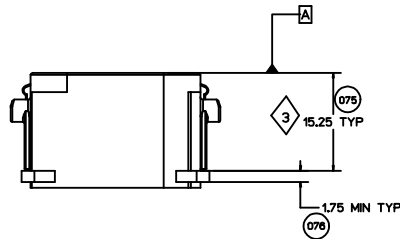


ib_frame_D_P_AM_T
Rev. G 2012/01/11

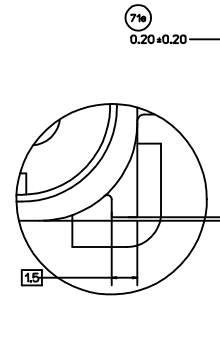
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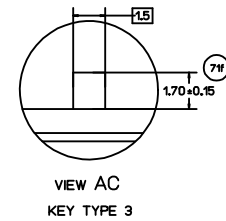
DETAIL Y



VIEW AE
KEY TYPE 2

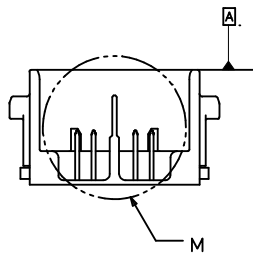
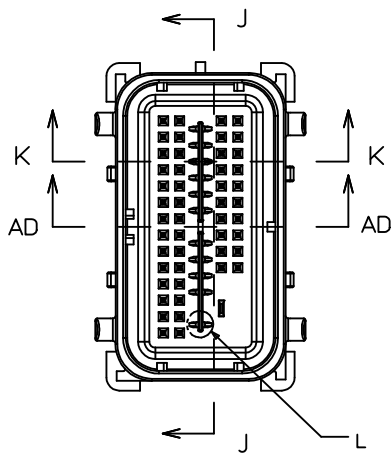


VIEW AF
KEY TYPE 1

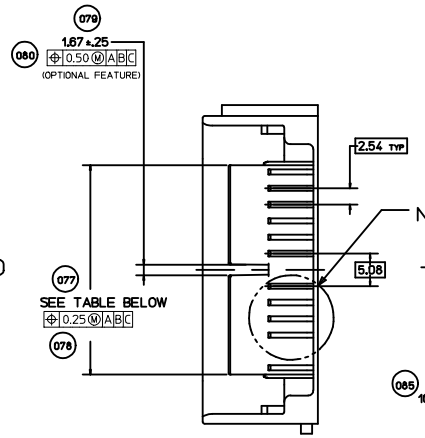


VIEW AC
KEY TYPE 3

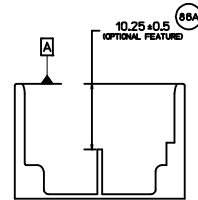
ENTER DESCRIPTION IEC NO: UAU2017-0870 DRAWN: ACHITALLA CHKD: CHYD APPR: VKOSHY 2017/03/27 A4	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
			MM ONLY				
			DRAWN BY DATE				
			SKRAJENDRANA 2016/12/15				
			CHECKED BY DATE				
			VKOSHY 2016/12/15				
			APPROVED BY DATE				
			VKOSHY 2017/03/03				
			MATERIAL NO.				
			DOCUMENT NO.				
SD-34576-0001							
SHEET NO.							
16 OF 22							
SEE BOM TABLE							
SIZE D							
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							
ANGULAR ± 1 °							
4 PLACES ± --- ± ---							
3 PLACES ± --- ± ---							
2 PLACES ± 0.13 ± ---							
1 PLACE ± 0.25 ± ---							
0 PLACE ± --- ± ---							



SECTION K-K

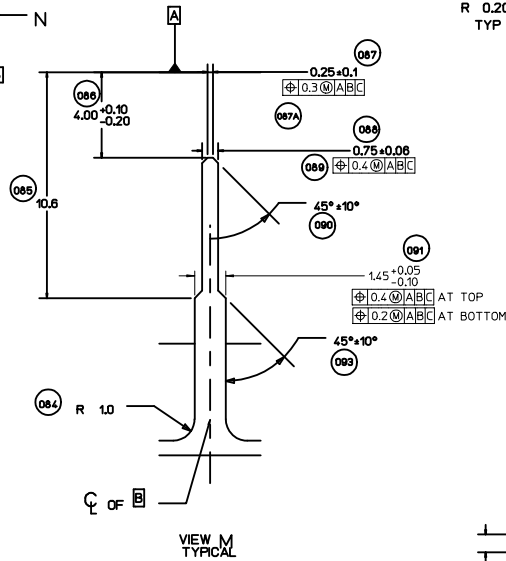


SECTION J-J

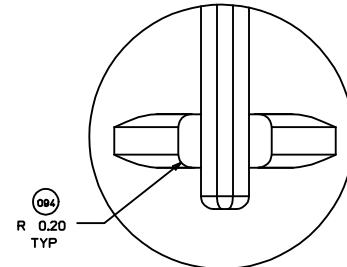


SECTION AD-AD

CKT	DIM (077)
49 / 56 CKT	32.80 +0.10/-0.60
18 CKT	10.04 +0.10/-0.60

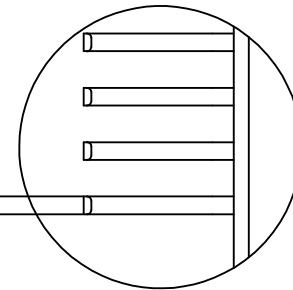


VIEW M
TYPICAL



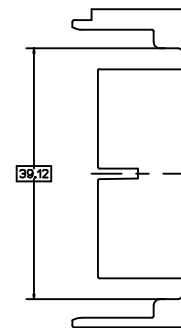
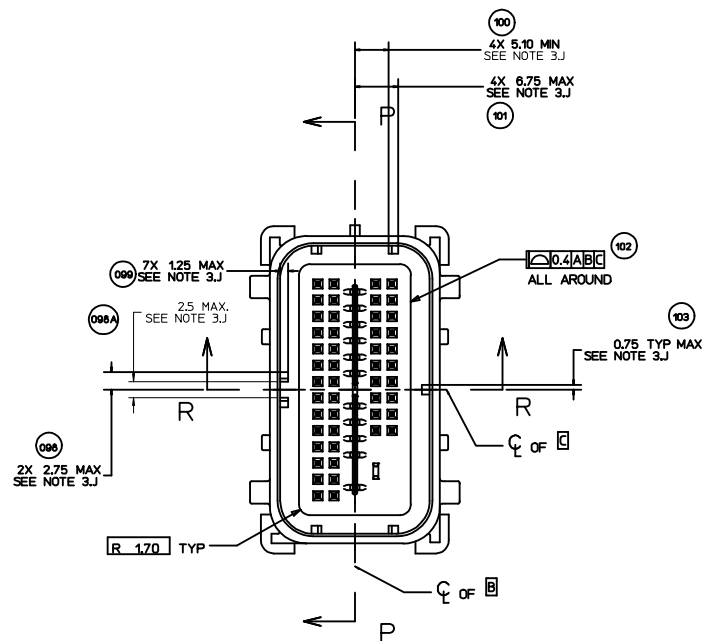
VIEW L

0.25 ± 0.1
0.3
0.75 ± 0.08
0.4
1.45 ± 0.05
0.4
0.2
45° ± 10°
1.0
0.83 ± 0.15 TYP
0.5
0.5

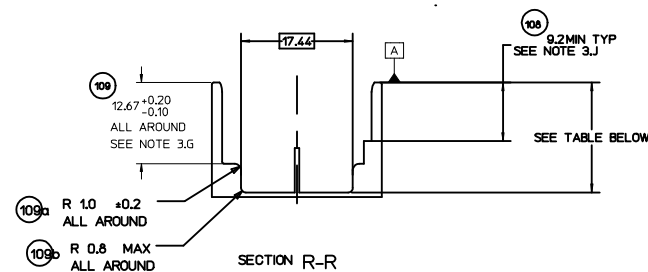


VIEW N

ENTER DESCRIPTION IEC NO: UAU2017-0870 DRAWN IN ITALY 2017/03/27 CHKD: APPR: VKOSHY 2017/03/29	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED):		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
				DRAWN BY SKRAJENDRANA 2016/12/15	DATE 2016/12/15	TITLE ICD - MX123 18/49/56CKT INTERFACE CONNECTION DRW MOLEX		
				CHECKED BY VKOSHY 2016/12/15	DATE 2016/12/15	molex DOCUMENT NO. SD-34576-0001 SHEET NO. 17 OF 22		
				APPROVED BY VKOSHY 2017/03/03	DATE 2017/03/03			
A4	DESCRIPTION	mm INCH		ANGULAR ± 1 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		
		4 PLACES ± --- ± ---		SEE BOM TABLE		SIZE D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
		3 PLACES ± --- ± ---						
		2 PLACES ± 0.13 ± ---						
		1 PLACE ± 0.25 ± ---						
		0 PLACE ± --- ± ---						



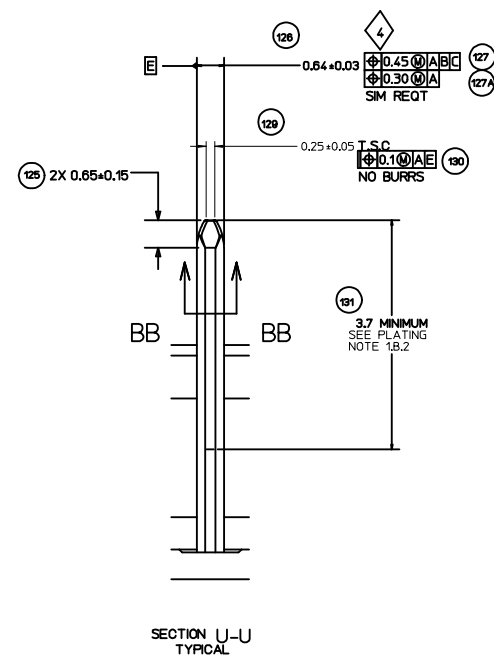
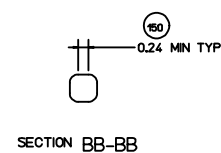
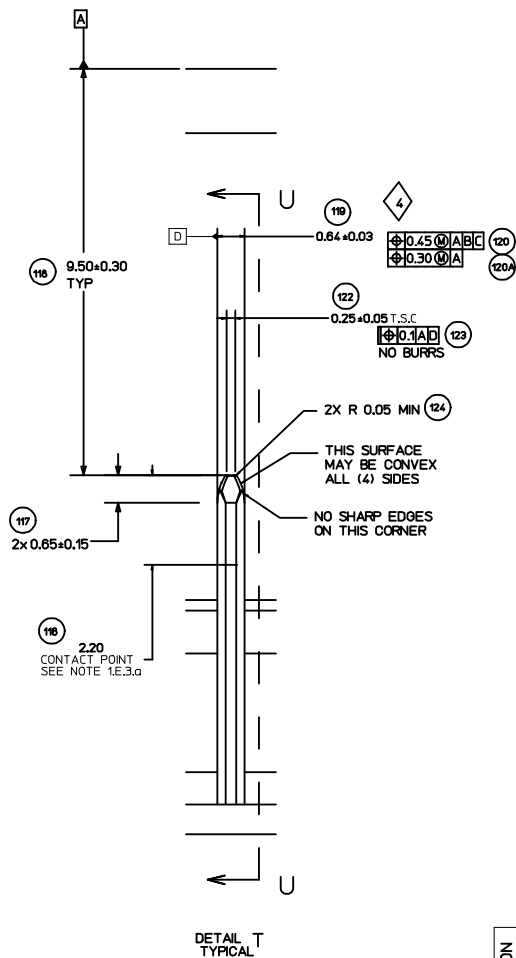
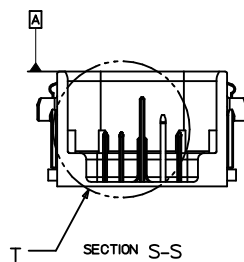
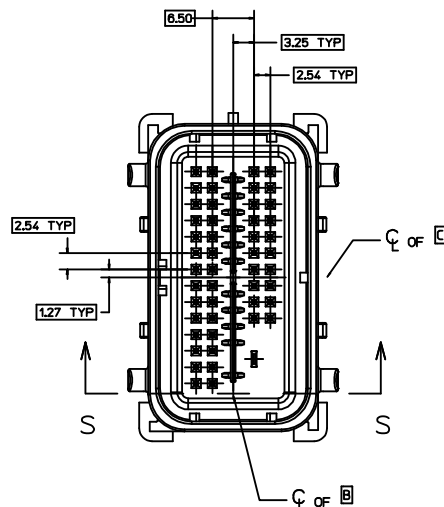
SECTION P-P



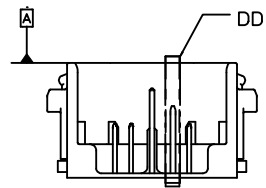
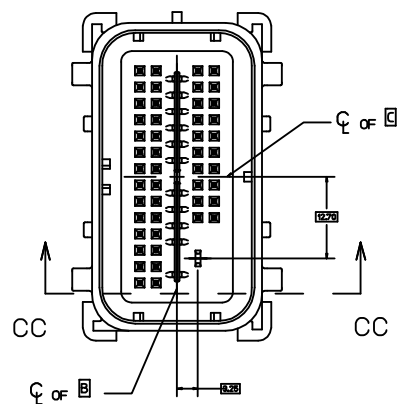
SECTION R-R

CKT	DIM 100
49 / 56 CKT	17.20 +0.20/-0.10
18 CKT	17.50 +0.20/-0.10

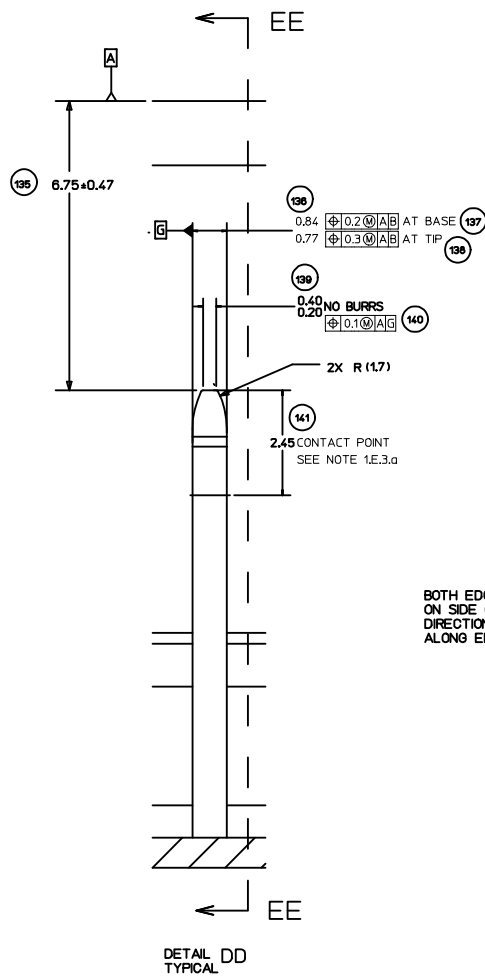
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	▽=0	mm	INCH	DRAWN BY	DATE	TITLE			
	▽=0	4 PLACES ±---	±---	SKRAJENDRANA	2016/12/15	ICD - MX123 18/49/56CKT			
	▽=0	3 PLACES ±---	±---	CHECKED BY	DATE	INTERFACE CONNECTION DRW			
	▽=0	2 PLACES ±0.13	±---	VKOSHY	2016/12/15	MOLEX			
	▽=0	1 PLACE ±0.25	±---	APPROVED BY	DATE				
	▽=0	0 PLACE ±---	±---	VKOSHY	2017/03/03				
	ANGULAR ± 1 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE BOM TABLE SD-34576-0001				18 OF 22
	SIZE D				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



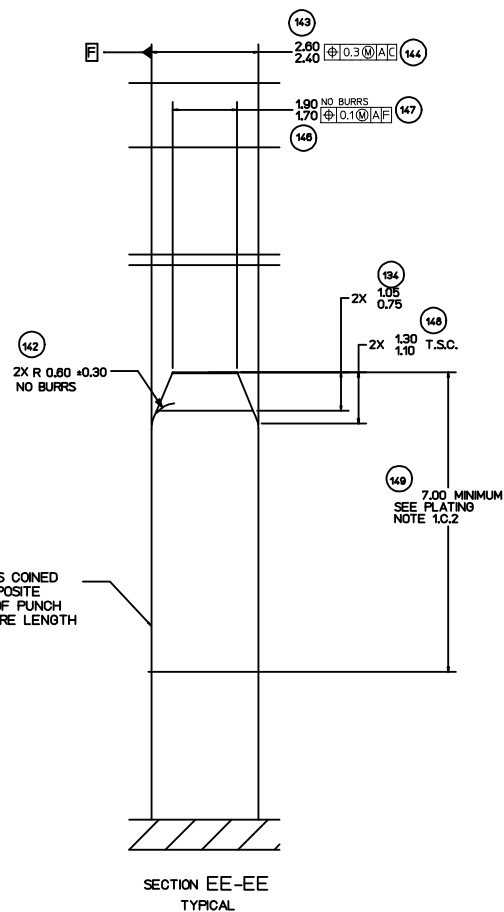
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SECTION CC-CC



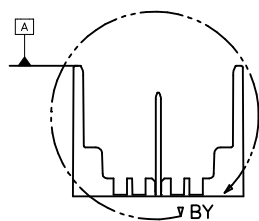
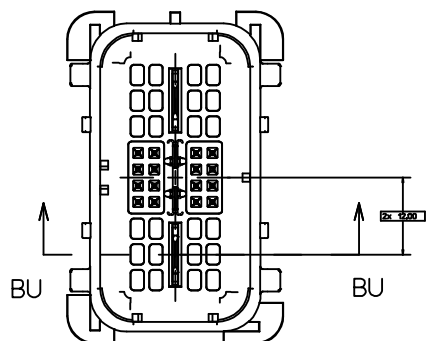
DETAIL DD
TYPICAL



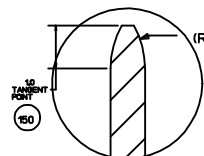
SECTION EE-EE
TYPICAL

BOTH EDGES COINED
ON SIDE OPPOSITE
DIRECTION OF PUNCH
ALONG ENTIRE LENGTH

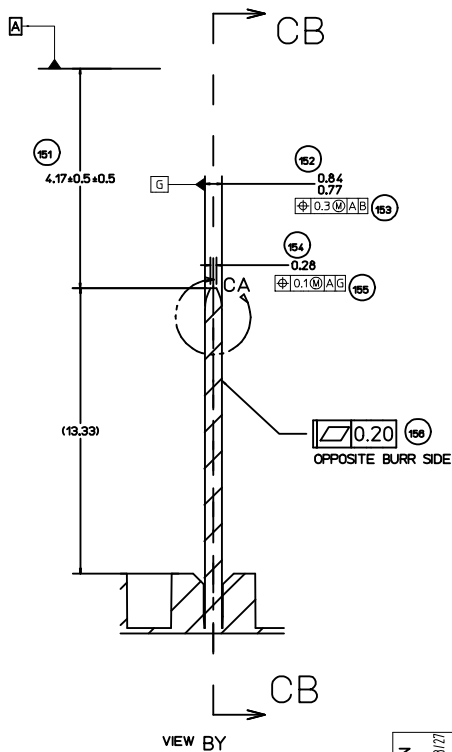
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			DRAWN BY DATE SKRAJENDRANA 2016/12/15		TITLE ICD - MX123 18/49/56CKT INTERFACE CONNECTION DRW MOLEX			
			CHECKED BY DATE VKOSHY 2016/12/15		APPROVED BY DATE VKOSHY 2017/03/03			
			MATERIAL NO. SEE BOM TABLE		DOCUMENT NO. SD-34576-0001		SHEET NO. 20 OF 22	
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
			molex					



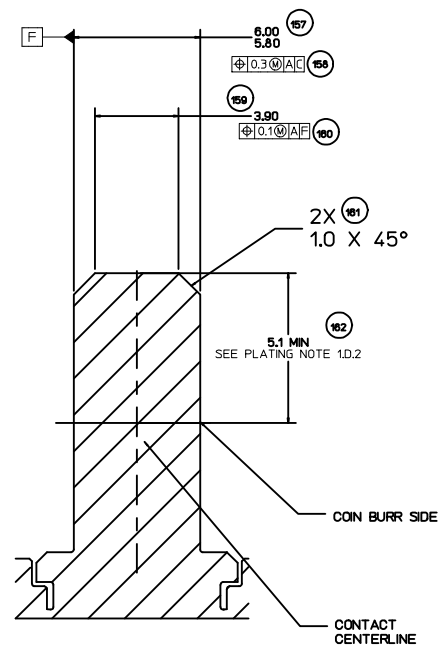
SECTION BU-BU



VIEW CA
SCALE 10:1



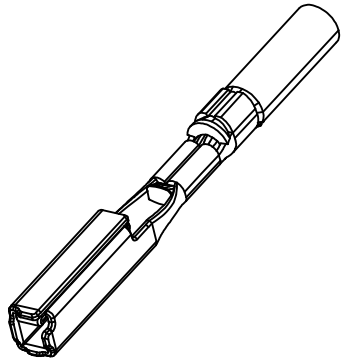
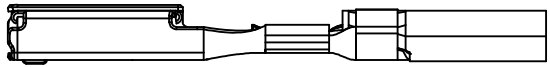
VIEW BY



SECTION CB-CB

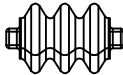
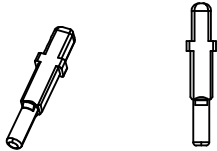
ENTER DESCRIPTION IEC NO: UAU2017-0870 DRAWN: CHITRALIA CHKD: CHITRALIA APPR: VKOSHY DATE: 2017/03/27 REV: A4	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
				mm	INCH	DRAWN BY	DATE	TITLE				
		4 PLACES	±	---	±	---	SKRAJENDRANA	2016/12/15	ICD - MX123 18/49/56CKT			
		3 PLACES	±	---	±	---	CHECKED BY	DATE	INTERFACE CONNECTION DRW			
		2 PLACES	±	0.13	±	---	VKOSHY	2016/12/15	MOLEX			
		1 PLACE	±	0.25	±	---	APPROVED BY	DATE	molex			
		0 PLACE	±	---	±	---	VKOSHY	2017/03/03				
		ANGULAR ± 1 °		MATERIAL NO.		DOCUMENT NO.						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE BOM TABLE					SD-34576-0001	
						SIZE D	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				SHEET NO. 21 OF 22	

MOLEX MX64 RECEPTACLE TERMINAL INFORMATION						
ITEM	MOLEX P/N	WIRE SIZE MM2	TYPE	PLATING	REEL WIND DIRECTION	COMMENTS
1	34736-0025	0.35	ISO	SILVER	LEFT	
2	34736-0026	0.35	ISO	SILVER	RIGHT	
3	34736-0027	0.5 / 0.75	ISO	SILVER	LEFT	
4	34736-0028	0.5 / 0.75	ISO	SILVER	RIGHT	



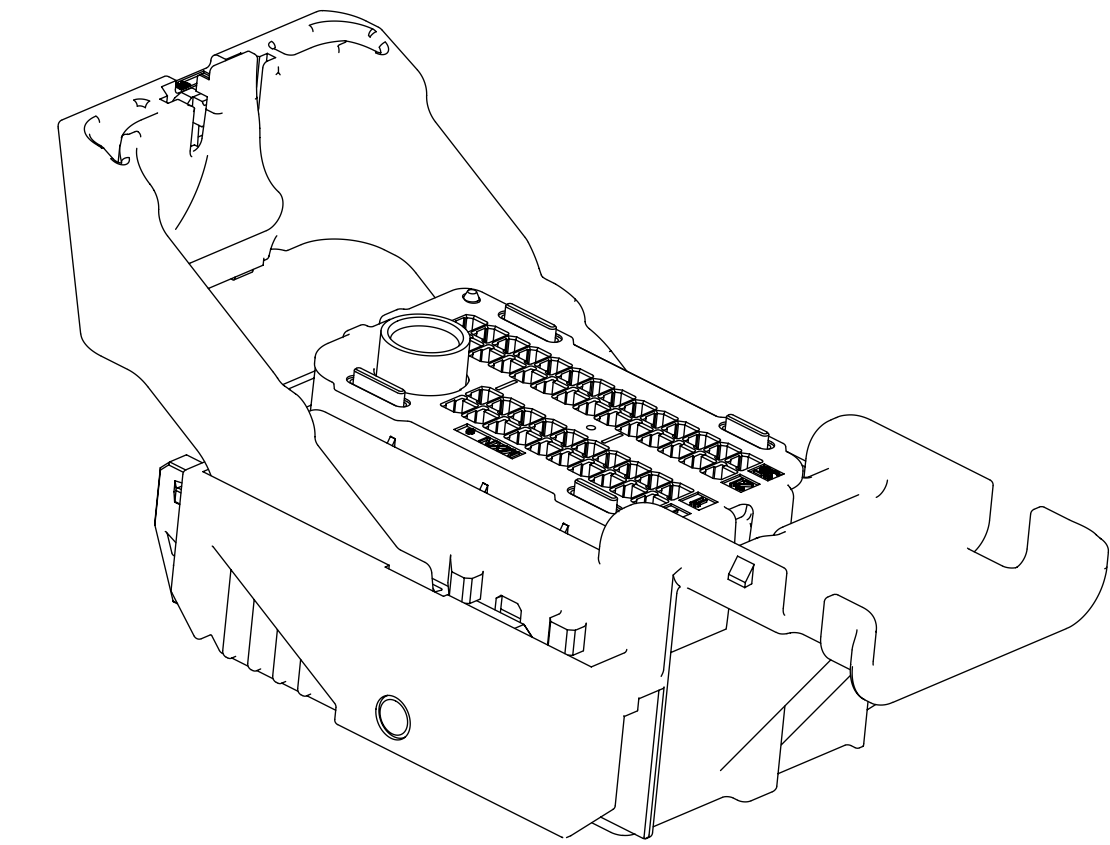
CAVITY PLUGS								
ITEM	MFG	MFG P/N	SIZE	COLOR	MFG DRAWING	PROD SPEC	APP SPEC	COMMENTS
1	MOLEX	34586-0001	0.64	NATURAL	SD-34586-001	PS-34566-0000	AS-34566-001	
2	YAZAKI	7158-3114-90	2.8	BLUE	7158-3114-90	YPES-11-04-062	YPES-15-299	

ITEM 1

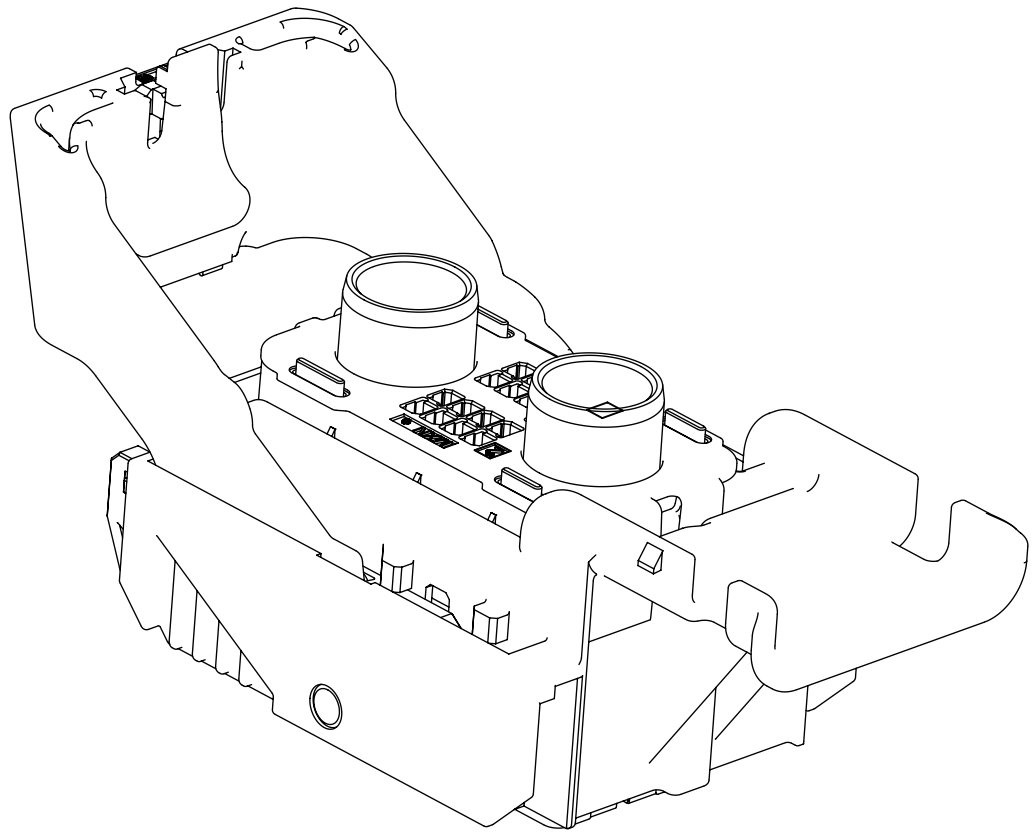
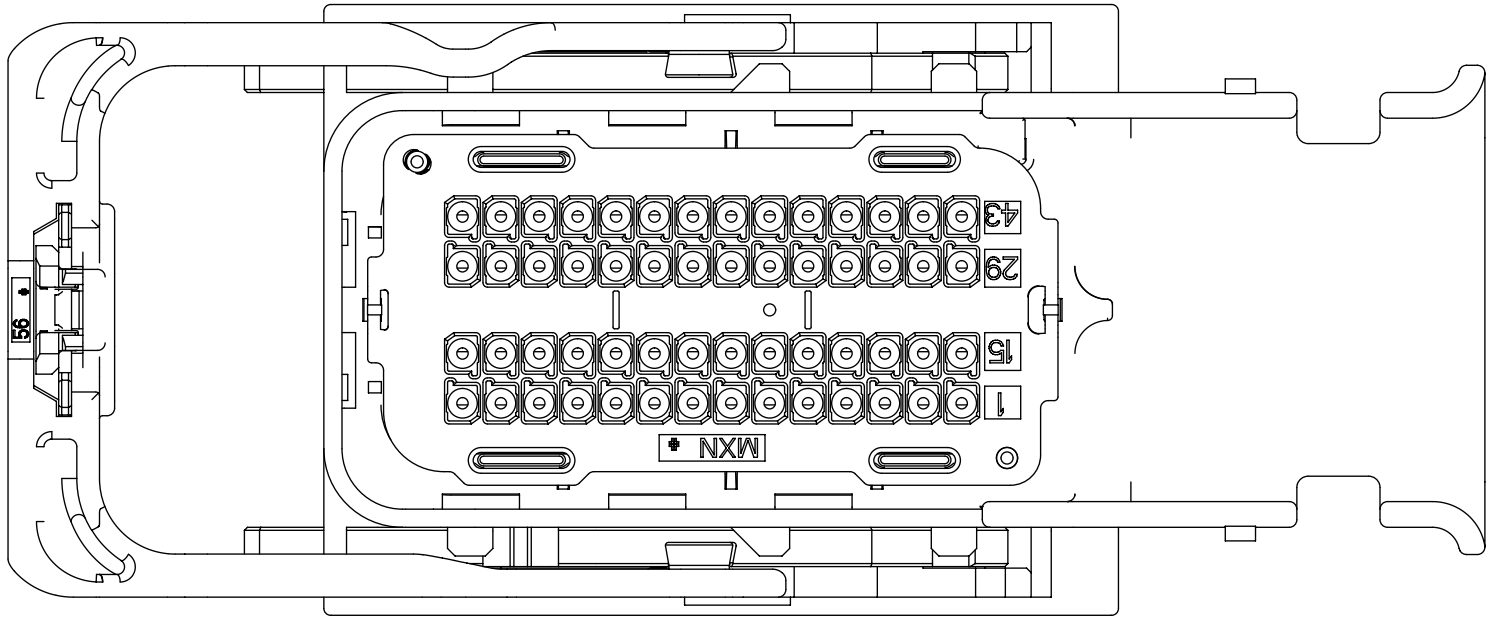


ITEM 2

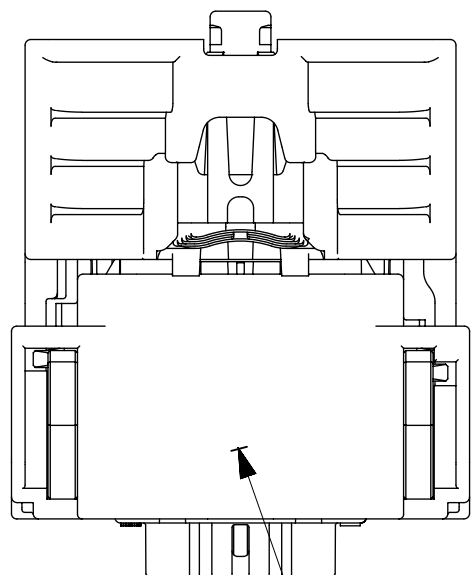
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				DRAWN BY DATE SKRA JENDRANA 16/06/12/15		TITLE ICD - MX123 18/49/56CKT INTERFACE CONNECTION DRW MOLEX molex DOCUMENT NO. SD-34576-0001		
				CHECKED BY DATE VKOSHY 2016/12/15				
				APPROVED BY DATE VKOSHY 2017/03/03				
				MATERIAL NO.				
				ANGULAR ± 1 °				
				SEE BOM TABLE				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SHEET NO. 22 OF 22				
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								



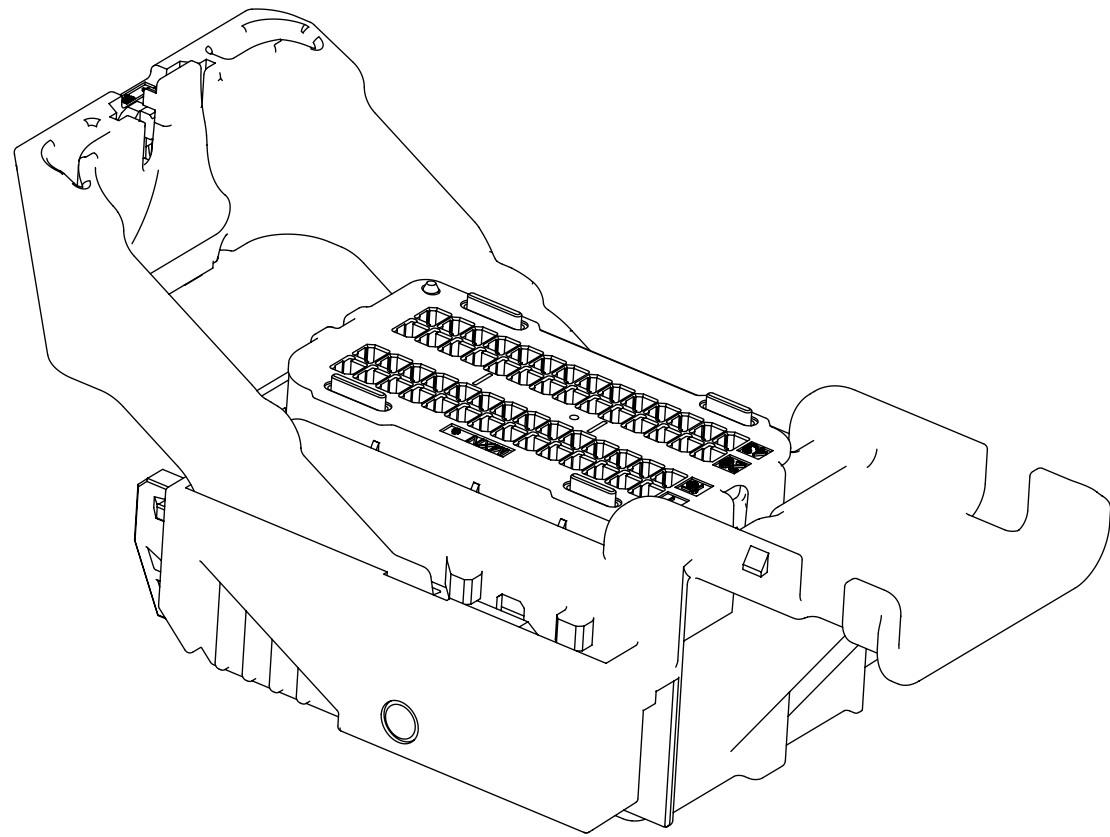
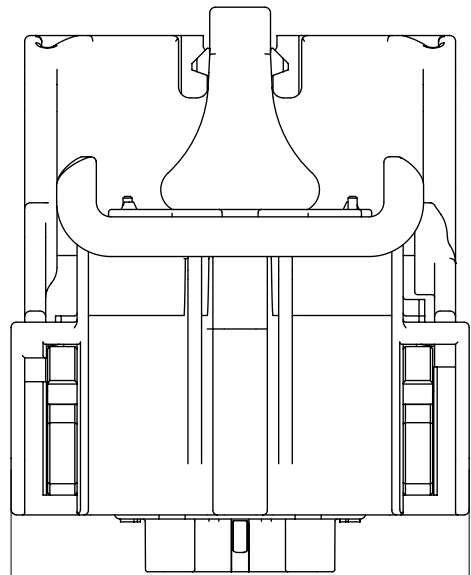
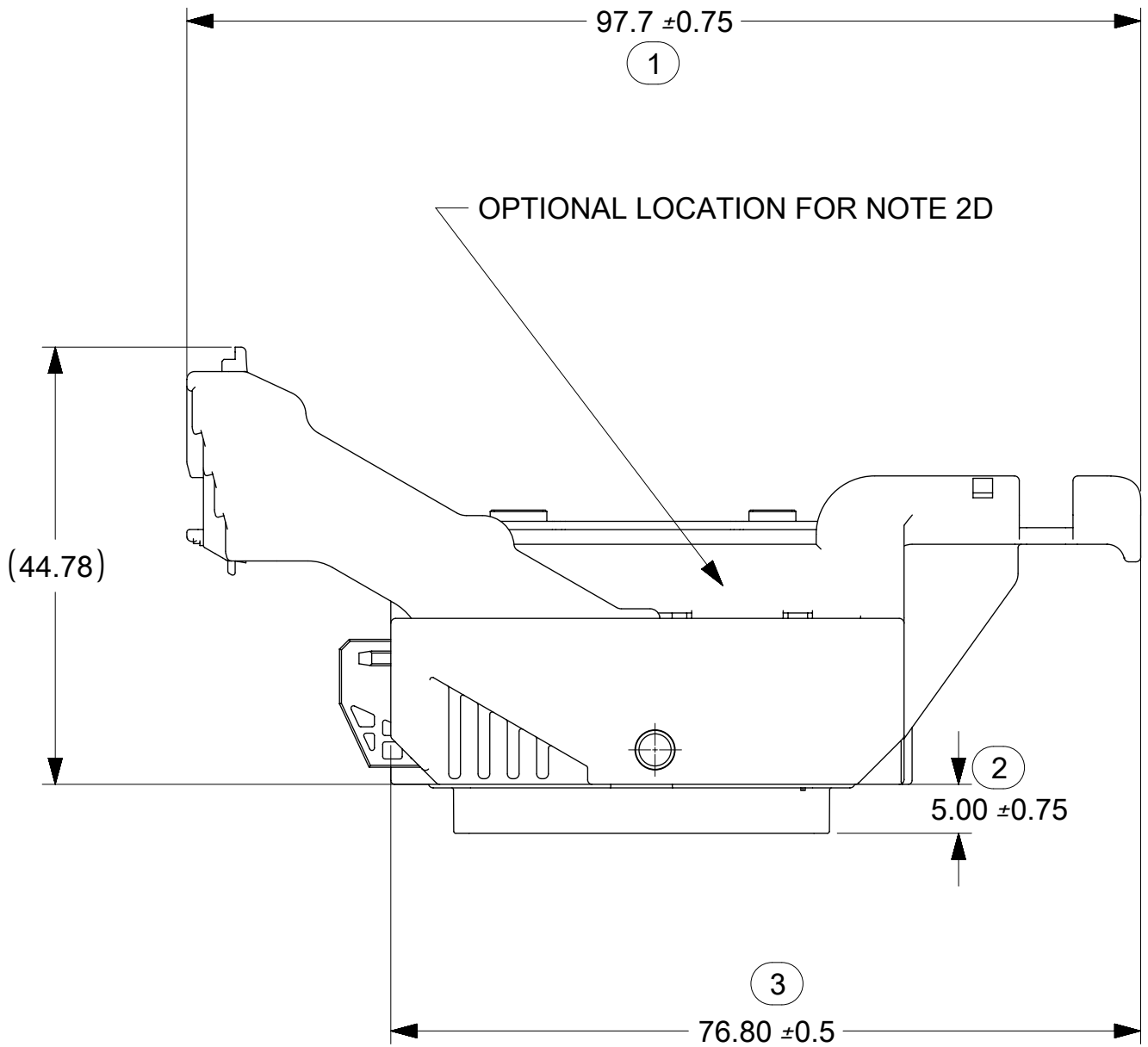
49 CKT
SCALE 1.5:1



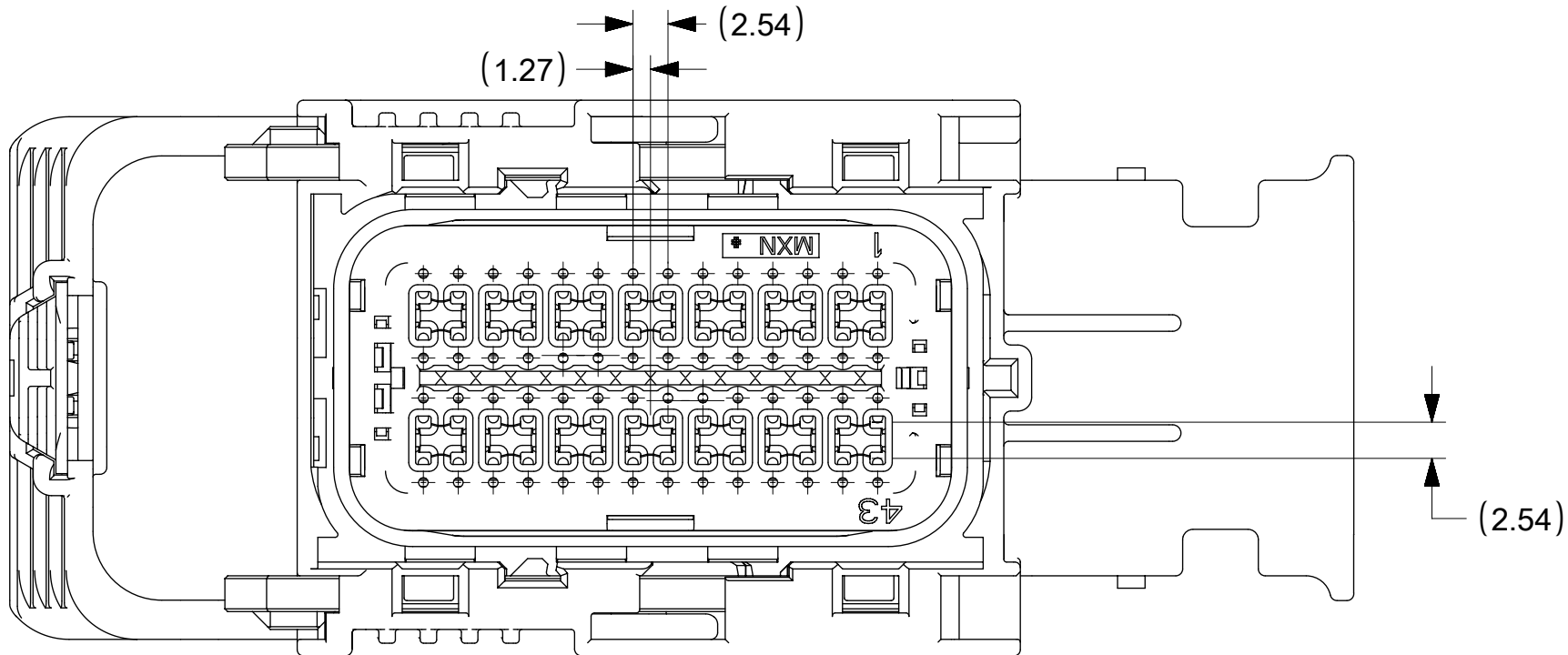
18 CKT
SCALE 1.5:1



RECOMMENDED LOCATION
FOR NOTE 2D



56 CKT
SCALE 1.5:1



NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:

- A. RESIN: SEE COMPONENT DRAWINGS
B. COLOR: SEE TABLE
C. MOLEX EDP #: SEE TABLE
D. PART VOLUME: SEE COMPONENT DRAWINGS
E. FOR BILL OF MATERIALS SEE:
-STANDARD CONFIGURATION 345760001-SD

2. DESIGN - GENERAL:

- A. THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.
B. TOLERANCES:
a. LINEAR X.X ± 0.30
X.XX ± 0.10
X.XXX ± 0.10
b. ANGULAR X° ± 3.0°
C. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
D. FOLLOWING PRODUCTION CODES TO BE PERMANENTLY MARKED & HUMAN READABLE TO A LETTER HEIGHT 3mm.
LINE #1: MATERIAL #: XXXXX-XXXX
LINE #2: DATE CODE: JJJY (JULIAN DAY, LAST DIGIT OF YEAR)
LINE #3: INSPECTION MACHINE CODE + SERIAL #: X.XXXXX
E-1. PARTS MUST BE FREE OF DISCOLORATION, SALT RESIDUE AND OTHER IMPERRECTIONS THAT AFFECT FIT OR FUNCTION.
E-2. SCRATCHES OR DENTS NOT TO EXCEED 0.13mm IN DEPTH.
F. CHANGES IN DESIGN FROM PART PREVIOUSLY APPROVED REQUIRES PRIOR ENGINEERING APPROVAL. THIS INCLUDES BUT IS NOT LIMITED TO DRAFT, MATERIAL OR PROCESSING.
G. SHALL CONFORM TO THE FOLLOWING PACKAGING SPECIFICATION: PK-31300-019

3. DESIGN - MANUFACTURING:

- A. DRAFT TO BE WITHIN TOLERANCE.
B. ALLOWABLE FLASH 0.2 MAX HIGH X 0.13 MAX THICK.
C. ALLOWABLE PARTING LINE MISMATCH 0.2 MAX.
D. EJECTOR PINS MARK TO BE FLUSH TO 0.25 MAX DEPRESSED.
E. ALLOWABLE GATE VESTIGE TO BE FLUSH TO 0.25 MAX PROTRUSION.

4. SYSTEM REQUIREMENTS:

- WHEN TESTED TO SAE/USCAR-2 REV: 3, APRIL 2001, AND GMW #3191, AUGUST 22, 2000 (DRAFT).
A. TPA (WITHOUT TERMINALS)
a. INSERTION FORCE FROM PRE-SET TO LOCK: >20
b. REMOVAL FORCE FROM PRE-SET: >20
B. CPA
a. INSERTION FORCE FROM PRE-SET TO LOCK
WITH CONNECTOR UN-MATED: >60N
b. REMOVAL FORCE FROM PRE-SET: >30N
C. GROMMET CAP
a. REMOVAL FORCE FROM HOUSING WITH ENGAGED LATCHES: >110N
D. MATE ASSIST LEVER
a. INADVERTENT ACTUATION FORCE DURING SHIPPING, HANDLING OR PRE-ASSEMBLY: >190N

INSPECTION BALLON NUMBER LOG PER DRAWING REVISION: F71
LAST BALLON NUMBER USED: 4
ADDED BALLON NUMBERS:
REMOVED BALLON NUMBERS:

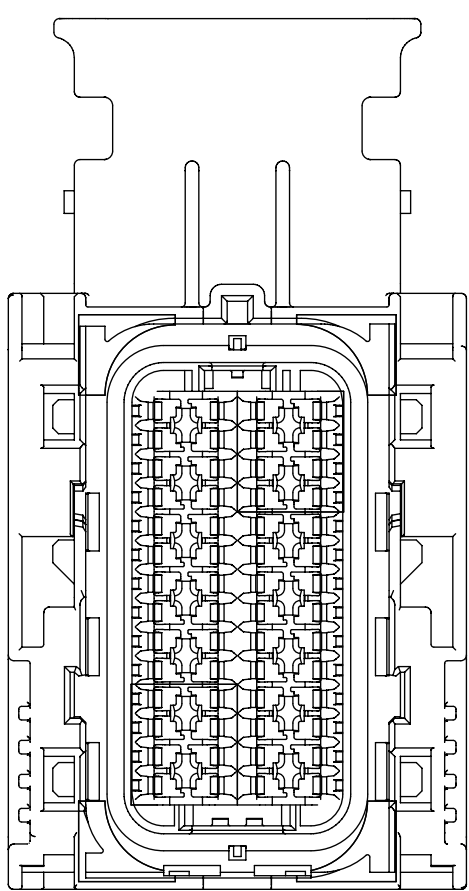
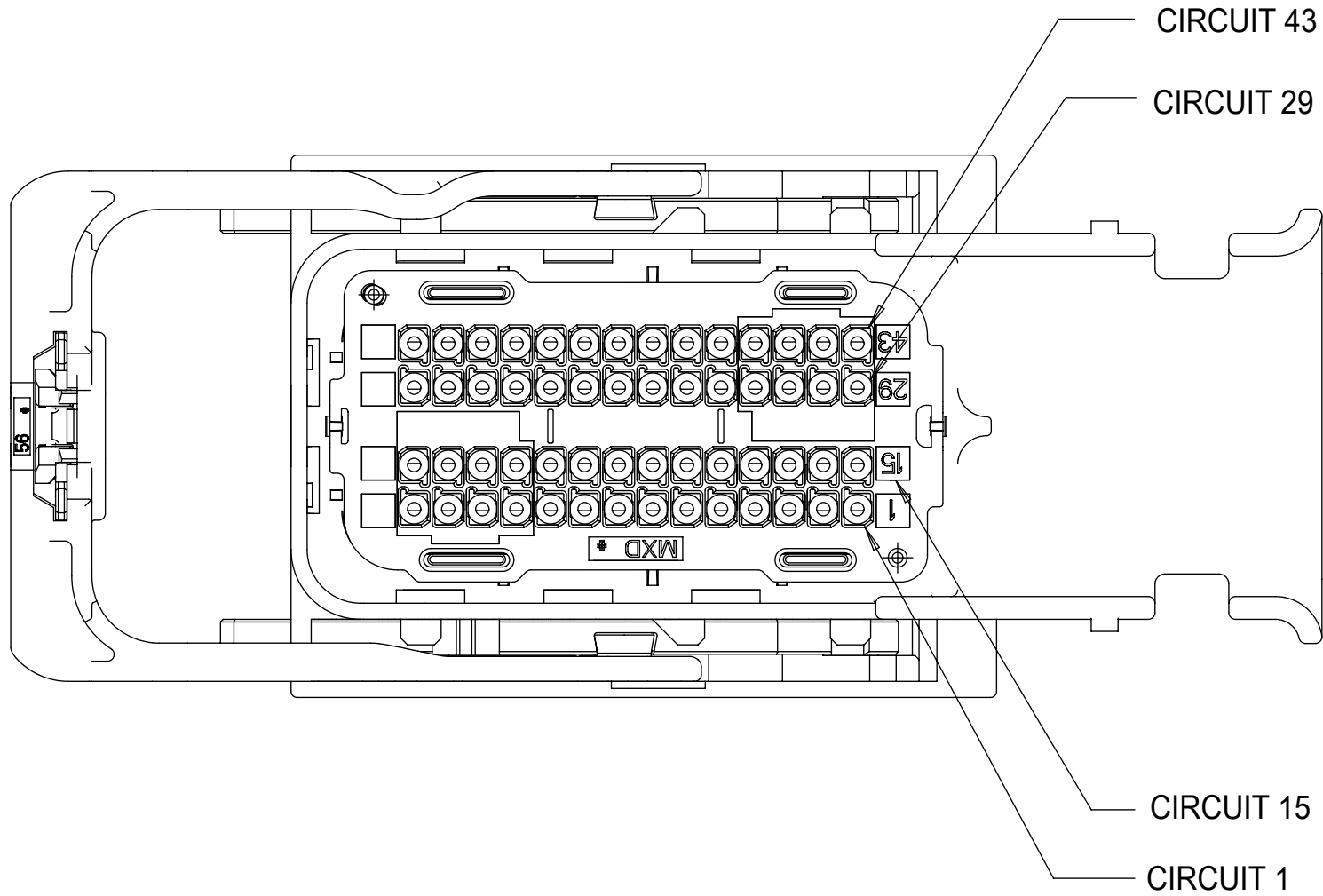
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= 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC: EC NO: 176054 DRWN: HKLIANG 2018/05/23 CHK'D: JDENG02 2018/05/28 APPR: JDENG02 2018/05/28 INITIAL REVISION: DRWN: TYE 2016/07/13 APPR: SKRAJENDRANA 2016/10/24 THIRD ANGLE PROJECTION D-SIZE 34576			molex			
	mm										
	GENERAL TOLERANCES (UNLESS SPECIFIED)							MX123 18/49/56 CKT HRNS CONN ASSY			
	ANGULAR TOL		± °								
	4 PLACES		±					PRODUCT CUSTOMER DRAWING			
	3 PLACES		±								
	2 PLACES		±					DOCUMENT NUMBER SD-34576-001			
	1 PLACE		±								
	0 PLACES		±					DOC PART 000			
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										
				SHEET NUMBER 1 OF 10							

F82	BOM MIGRATE TO 345760001-SD.pdf
F81	ADDED NEW PART NO. 34576-7733 thru 34576-7753
F80	CHANGED 34851-0027/0028/0029/0030 34576-9113/9123 STATUS TO "AVAILABLE"
F79	ADD NEW PART NO. 34576-7663 thru 34576-7723
F78	ISO WIRE HARNESS PART NUMBERS ADDED
F77	ADDED NEW PART NO. 34576-7633 34576-7643
F74	ADDED NEW PART NO. 34576-7603
F73	ADDED NEW PART NO. 34576-7553 34576-7563 34576-7573 34576-7583 34576-7593
F72	SHEETS SEQUENCE ARE CORRECTED
F71	NX RE-MASTERING
F70	ADDED NEW PART NO. 34576-7523 34576-7533 34576-7543
F69	ADDED GM PART # TO SHEET 5
F68	ADDED NEW PART NO. 34576-7513
F67	ADDED NEW PART NO. 34576-7483 34576-7493 34576-7503
F66	ADDED NEW PART NO. 34576-7473
F65	ADDED NEW PART NO. 34576-7463
F64	ADDED NEW PART NO. 34576-7453
F63	ADDED NEW PART NO. 34576-7413 34576-7423 34576-7433 34576-7443
F62	ADDED NEW P/N NO. 34576-7393 34576-7403 CHANGE THE FOLLOWING P/N TO "SALEABLE"STATUS 1.34576-0103,34576-0303,34576-1303 AND 34576-1503 2.34576-0803 3.34851-0007,34851-0008,34851-0019 AND 34851-0020
F61	ADDED NEW PART NO. 34576-7383
F60	ADDED NEW PART NO. 34576-9113 34576-9123
REV	DESCRIPTION

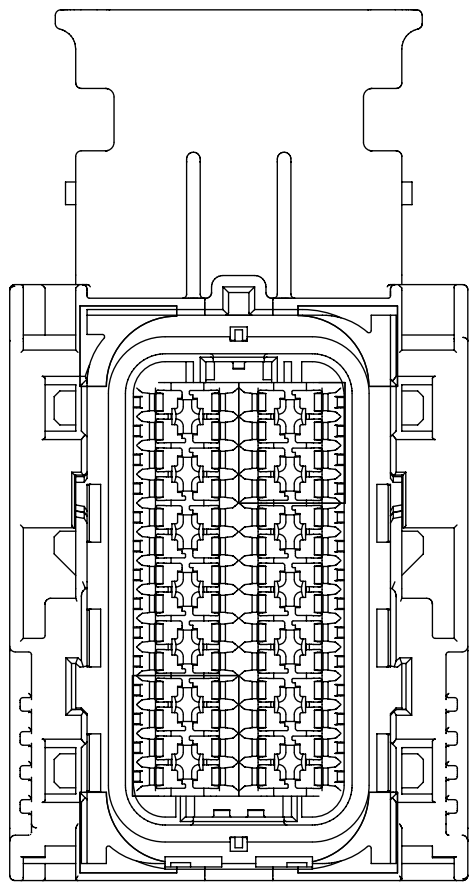
DOCUMENT STATUS	P1	RELEASE DATE	2018/05/28	14:32:56
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56 CKT
WIRE DRESS OPTION 0

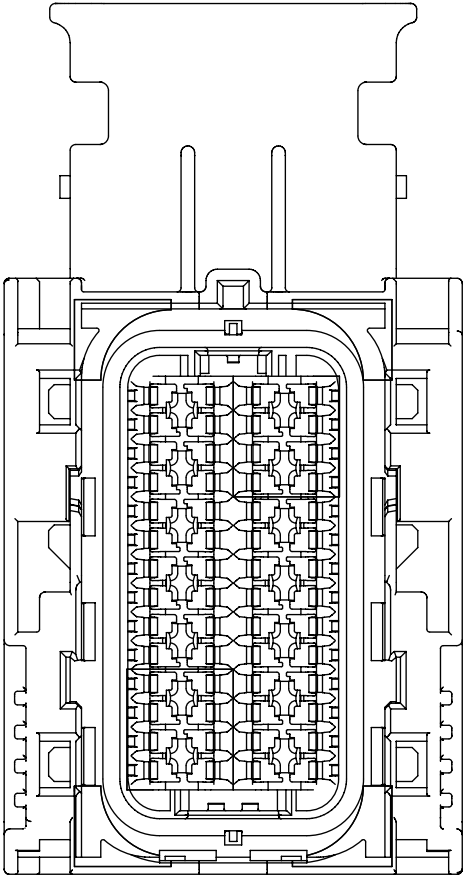
HOUSING ONLY, SHOWN FOR CLARITY



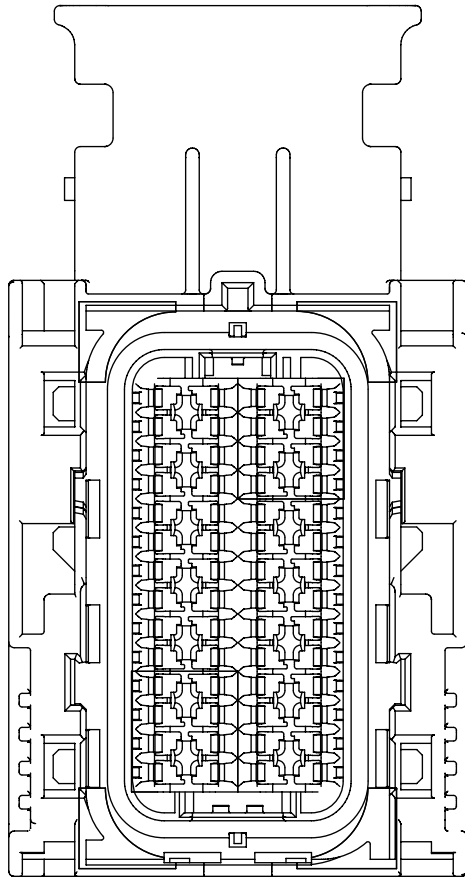
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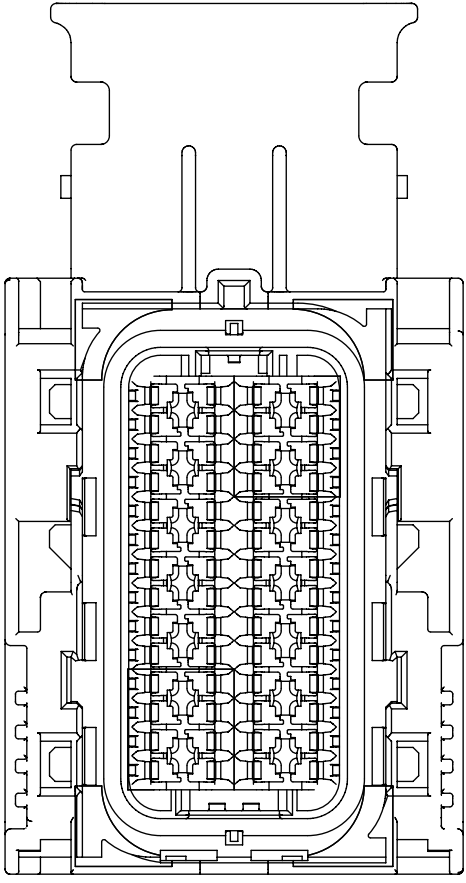
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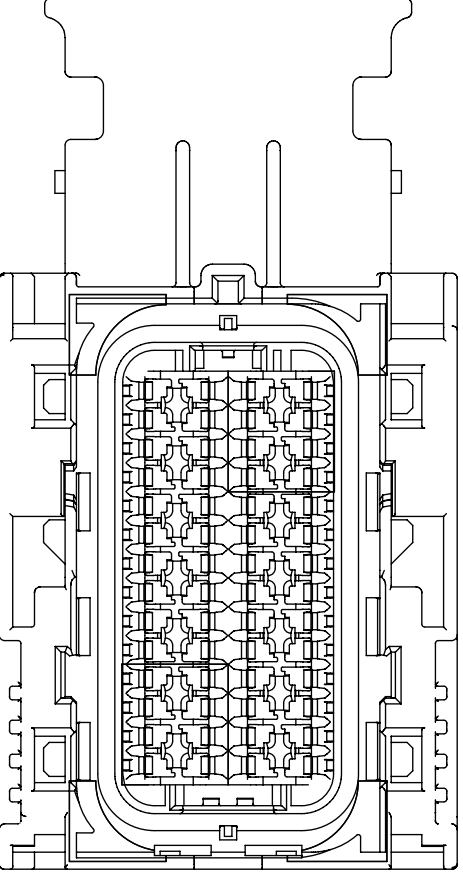
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KEY K

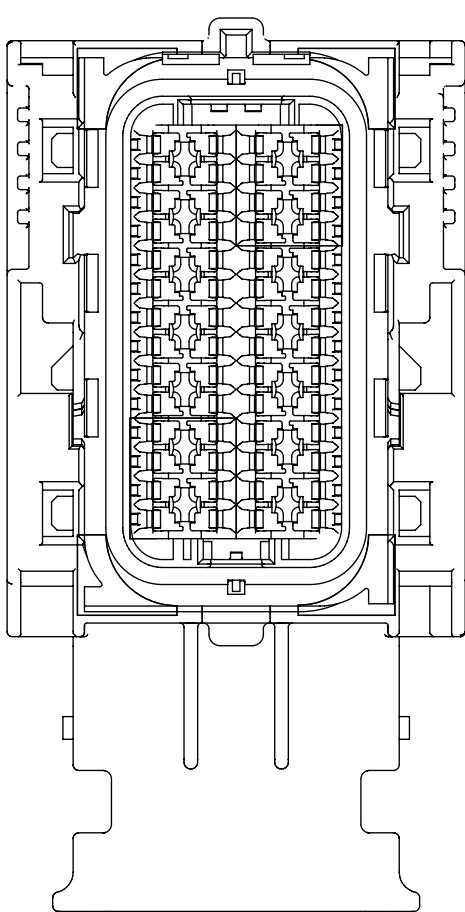
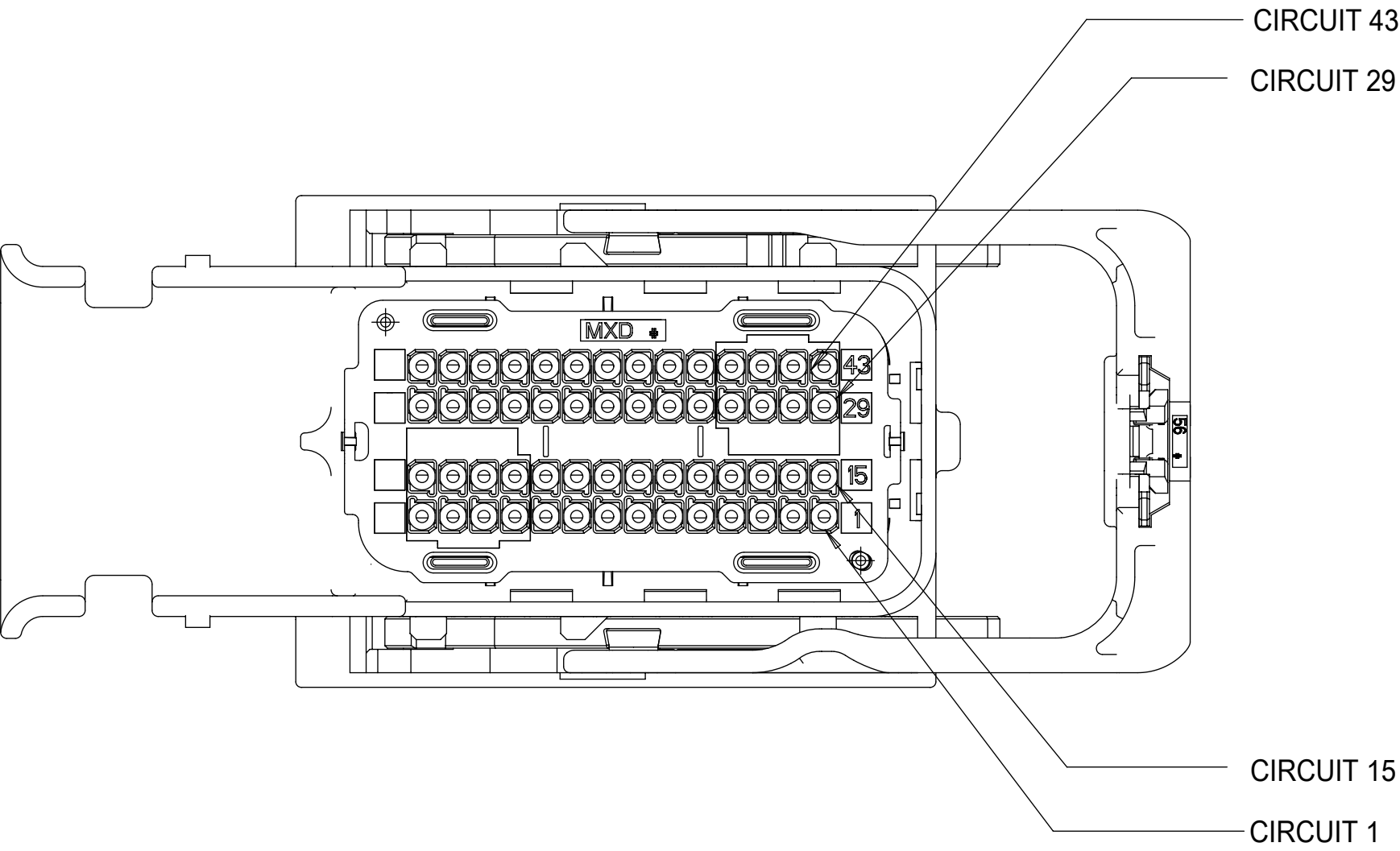


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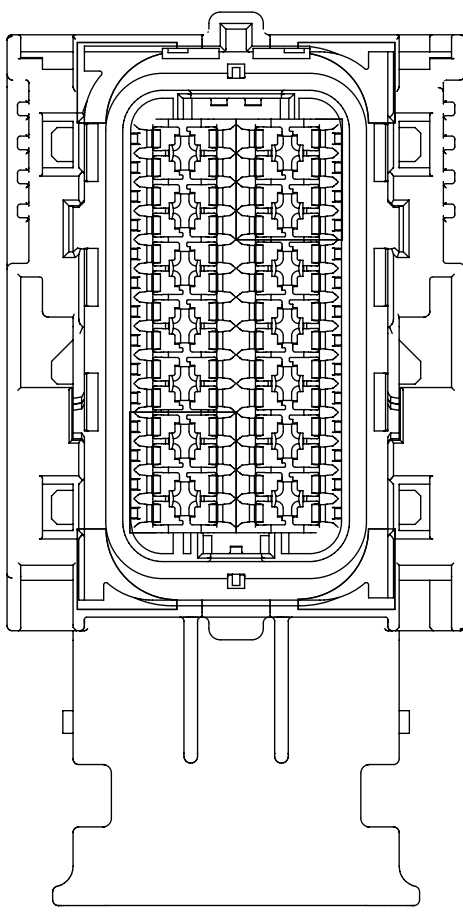


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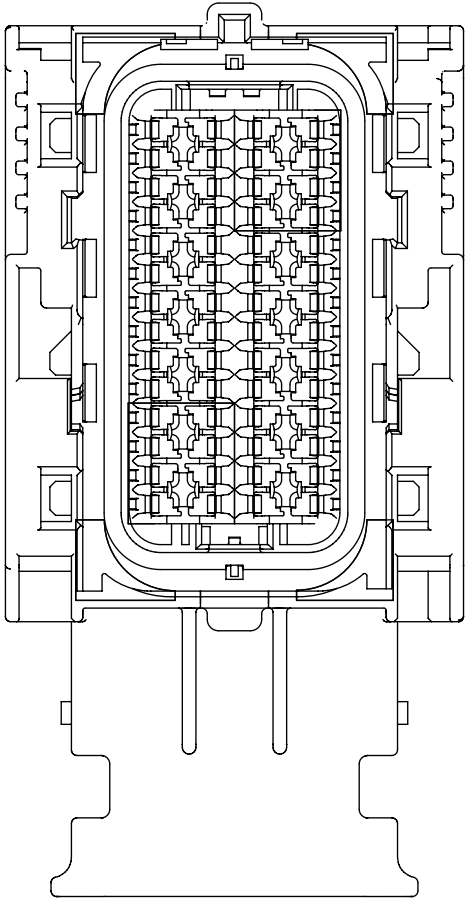
WIRE DRESS OPTION 9



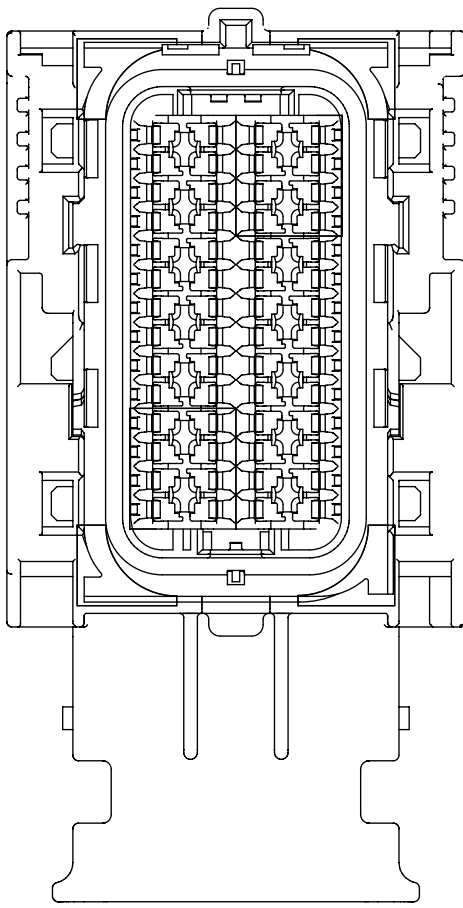
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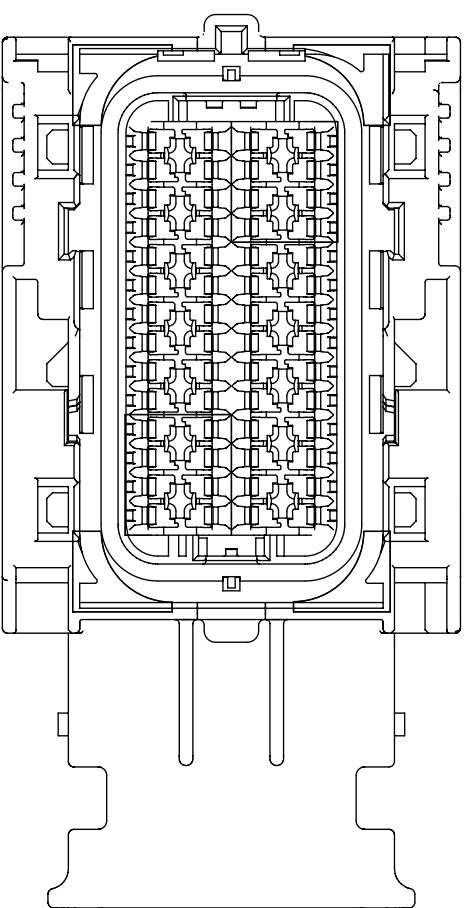
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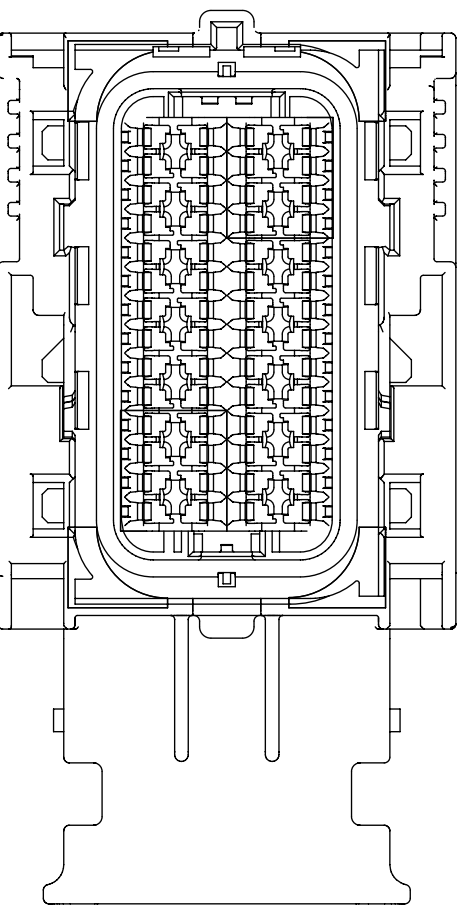
KEY J



KEY K



KEY L



KEY M

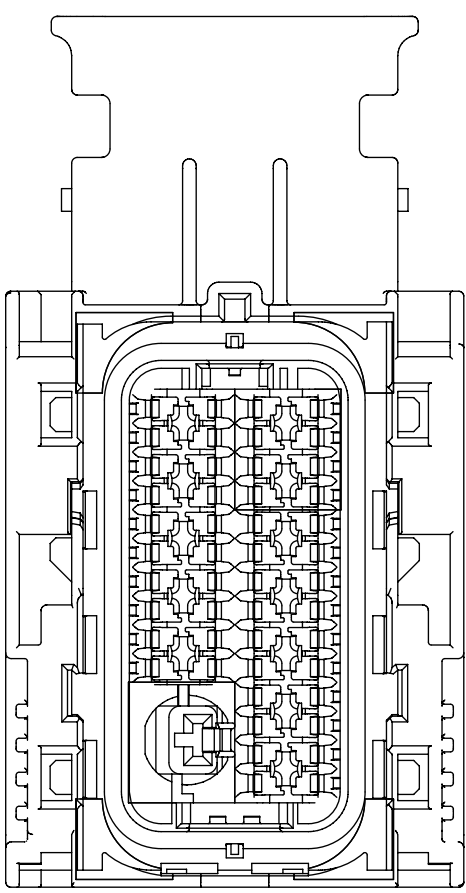
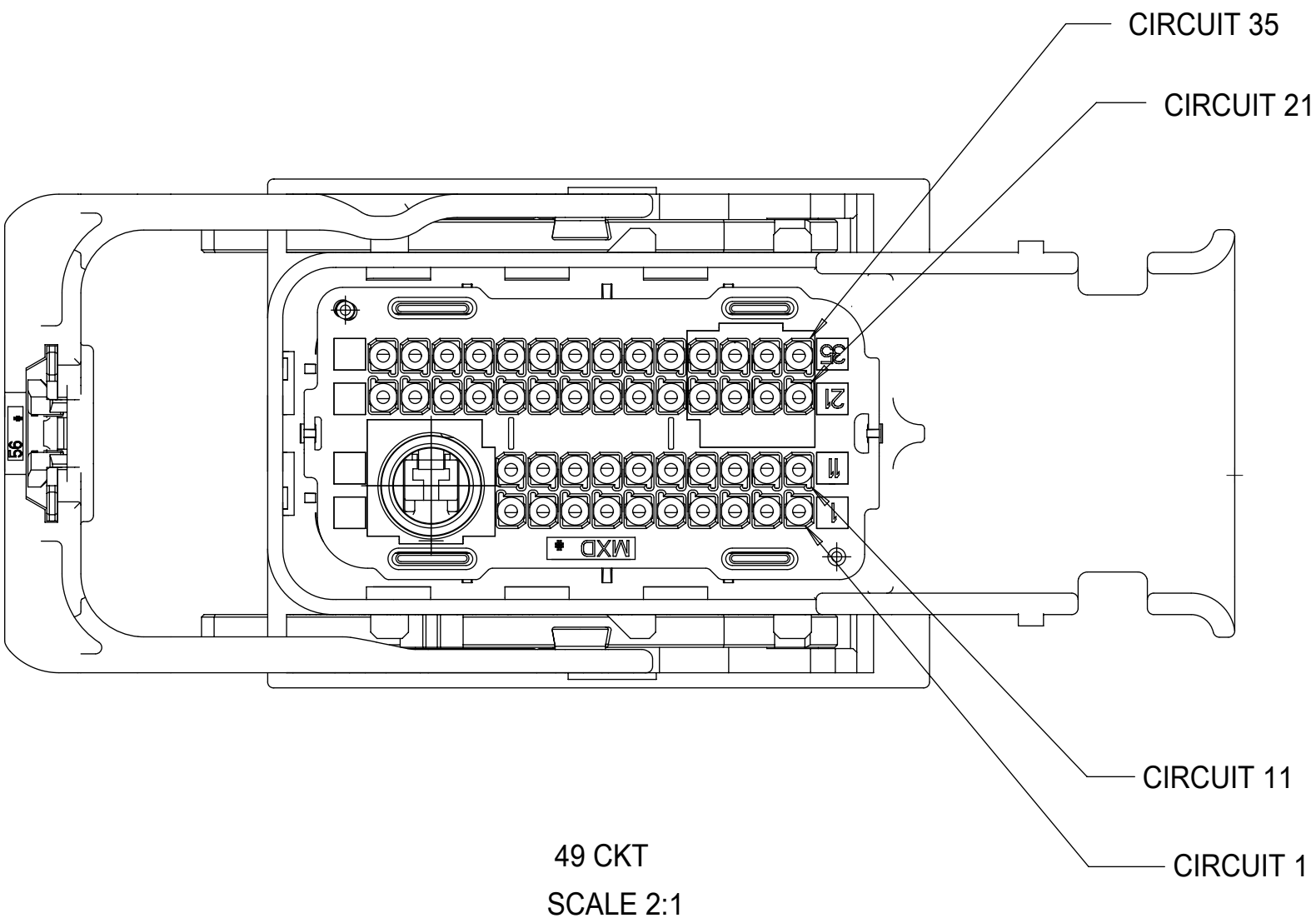
SYMBOLS = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		molex		
	DIMENSION UNITS	SCALE	EC NO: 176054				
	mm		DRWN: HKLIANG 2018/05/23				
	GENERAL TOLERANCES (UNLESS SPECIFIED)		CHK'D: JDENG02 2018/05/28		PRODUCT CUSTOMER DRAWING		
	ANGULAR TOL ± °		APPR: JDENG02 2018/05/28				
4 PLACES ±		INITIAL REVISION:		DOCUMENT NUMBER			
3 PLACES ±		DRWN: TYE 2016/07/13					
2 PLACES ±		APPR: SKRAJENDRANA 2016/10/24		SD-34576-001			
1 PLACE ±		THIRD ANGLE PROJECTION					PSD 000 F82
0 PLACES ±		DRAWING		GENERAL MARKET			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SERIES					2 OF 10
		D-SIZE 34576					

DOCUMENT STATUS	P1	RELEASE DATE	2018/05/28	14:32:56
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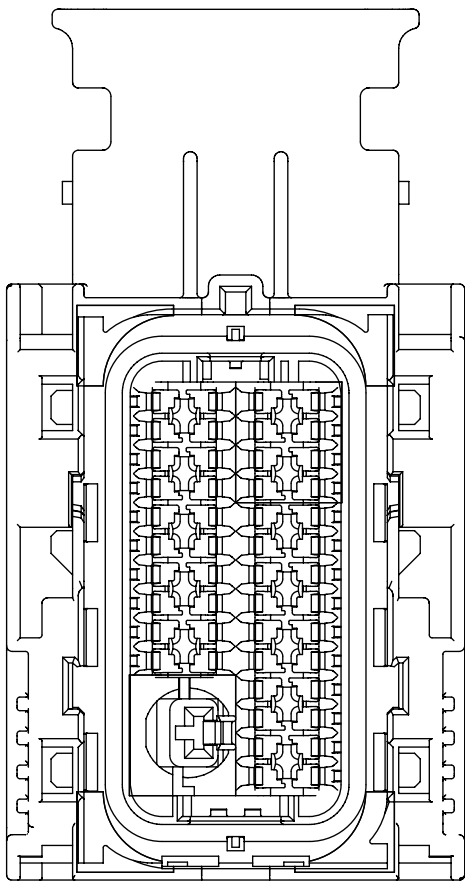
49 CKT

WIRE DRESS OPTION 0

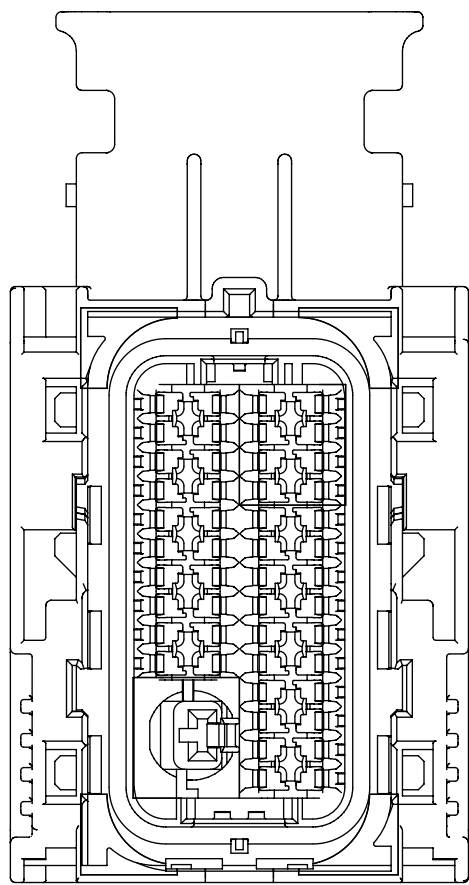
HOUSING ONLY, SHOWN FOR CLARITY



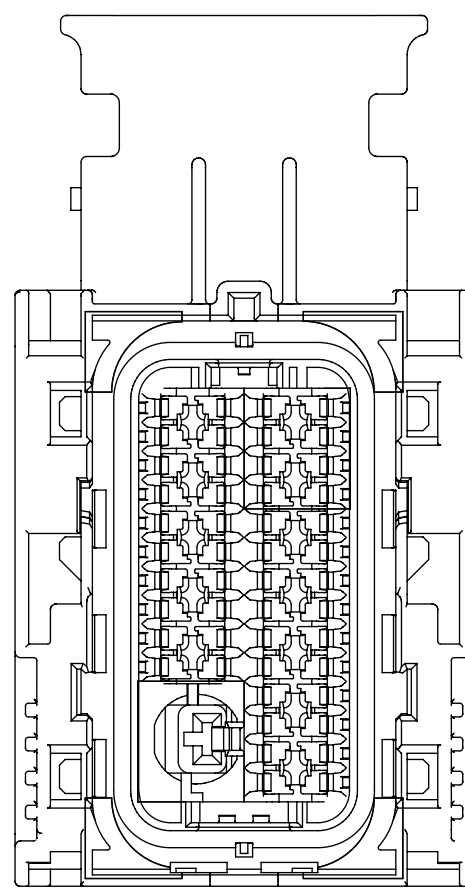
KEY A



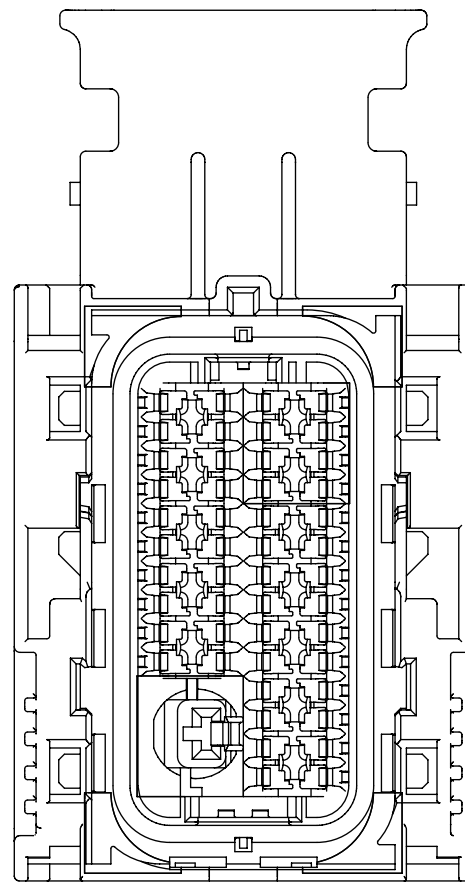
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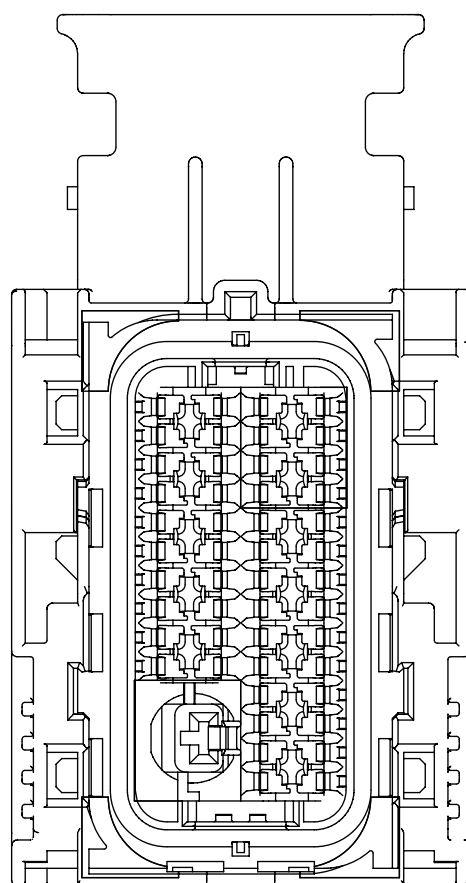
KEY C



KEY D

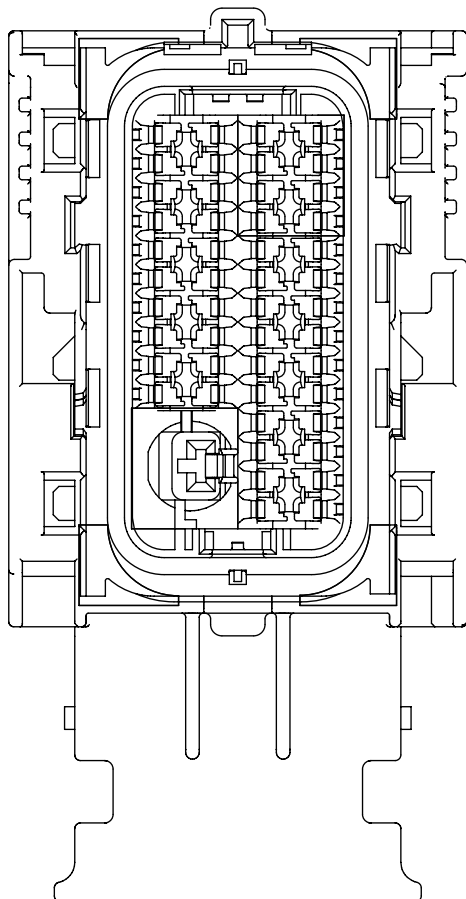
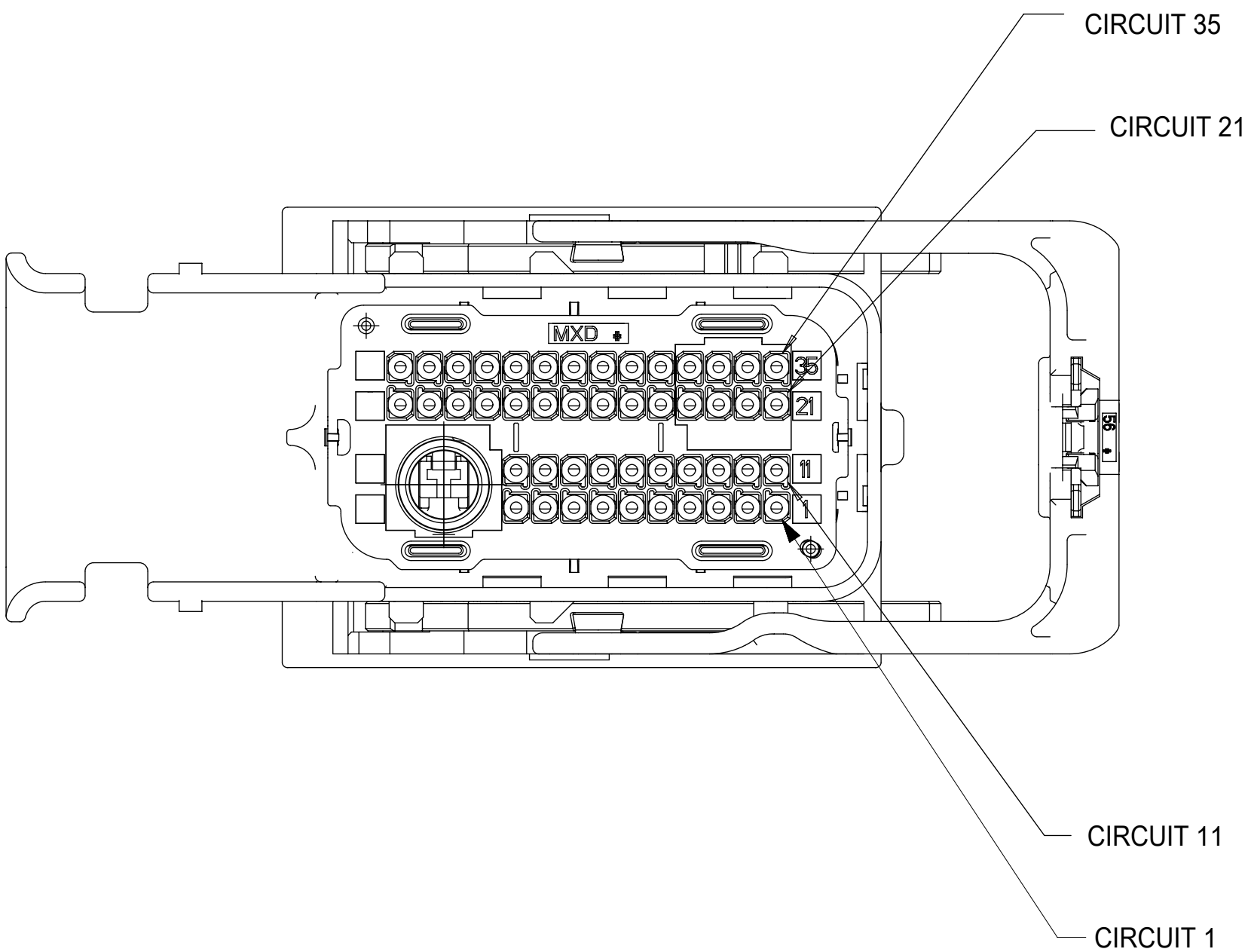


KEY E

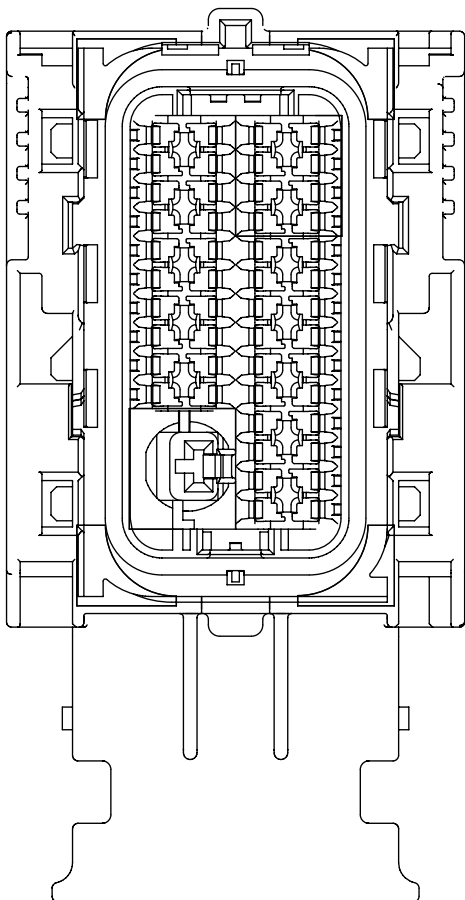


KEY F

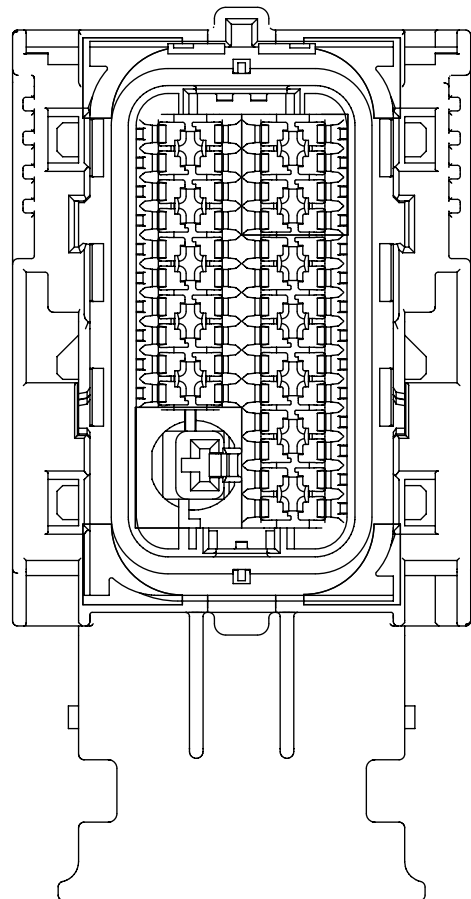
WIRE DRESS OPTION 9



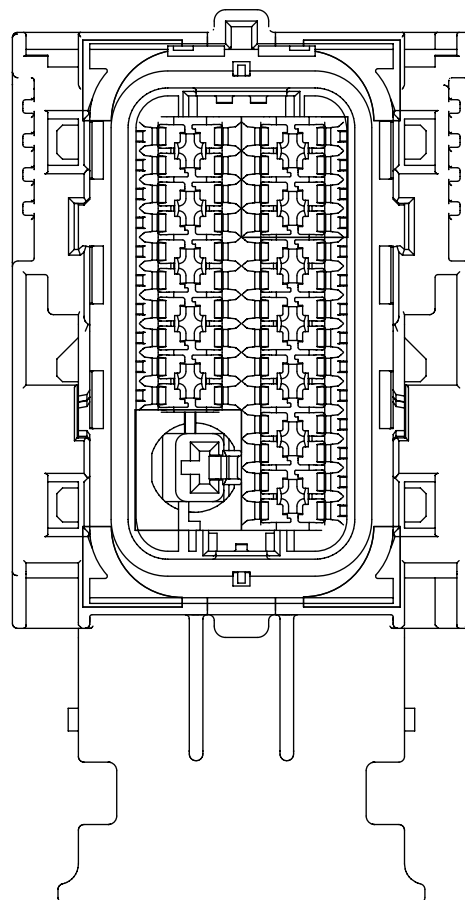
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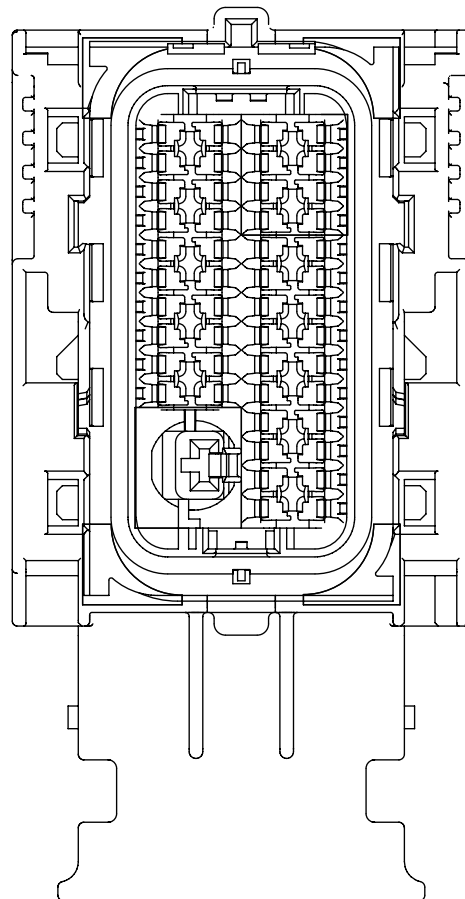
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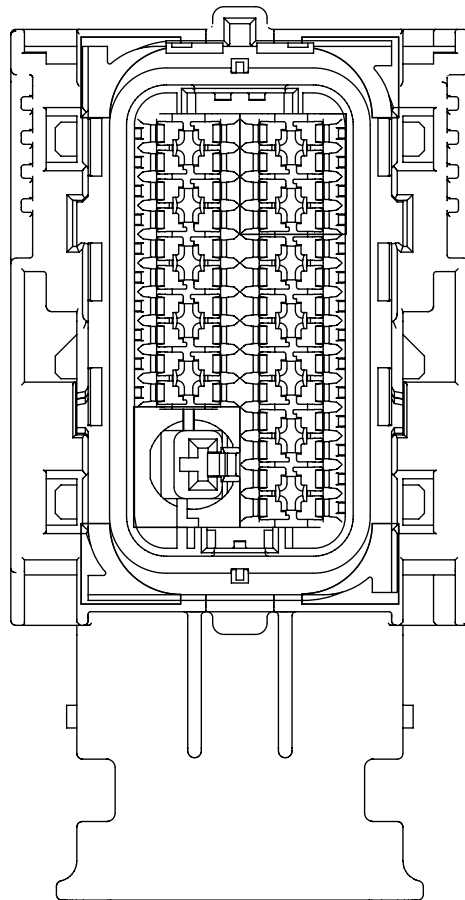
KEY C



KEY D



KEY E



KEY F

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
		DIMENSION UNITS		SCALE		CURRENT REV DESC:				molex MX123 18/49/56 CKT HRNS CONN ASSY							
	= 0	mm				EC NO: 176054 DRWN: HKLIANG 2018/05/23 CHK'D: JDENG02 2018/05/28 APPR: JDENG02 2018/05/28											
	= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)															
	= 0	ANGULAR TOL ± °															
	= 0	4 PLACES		±		INITIAL REVISION:				DOCUMENT NUMBER							
	= 0	3 PLACES		±		DRWN: TYE 2016/07/13				SD-34576-001							
	= 0	2 PLACES		±		APPR: SKRAJENDRANA 2016/10/24				DOC TYPE: PSD							
	= 0	1 PLACE		±						DOC PART: 000							
	= 0	0 PLACES		±						REVISION: F82							
	= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
	= 0							D-SIZE		34576				GENERAL MARKET		3 OF 10	

molex

MX123
18/49/56 CKT HRNS CONN ASSY

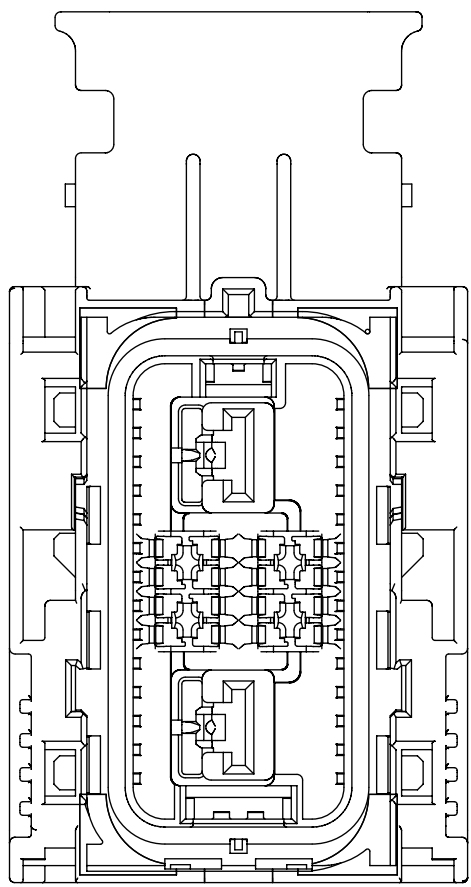
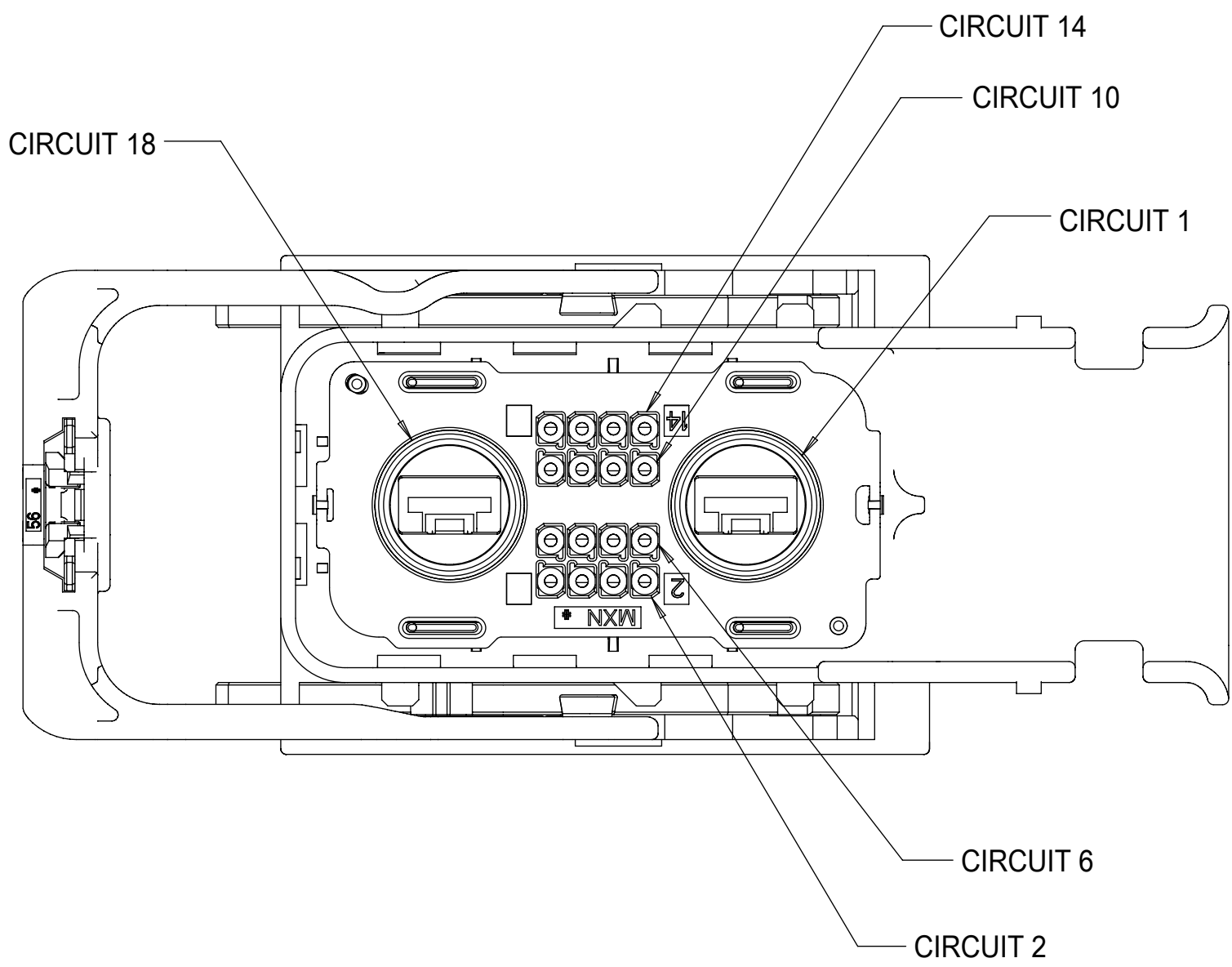
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-34576-001	PSD	000	F82

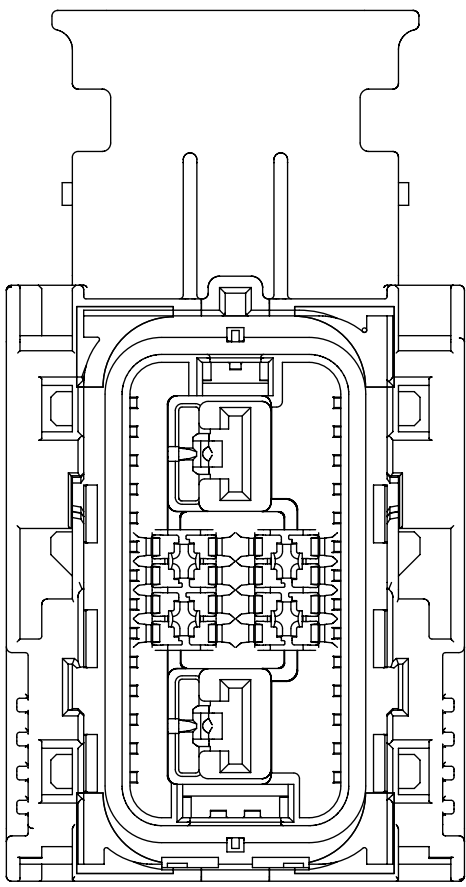
DOCUMENT STATUS	P1	RELEASE DATE	2018/05/28	14:32:56
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18 CKT
WIRE DRESS OPTION 0

HOUSING ONLY, SHOWN FOR CLARITY

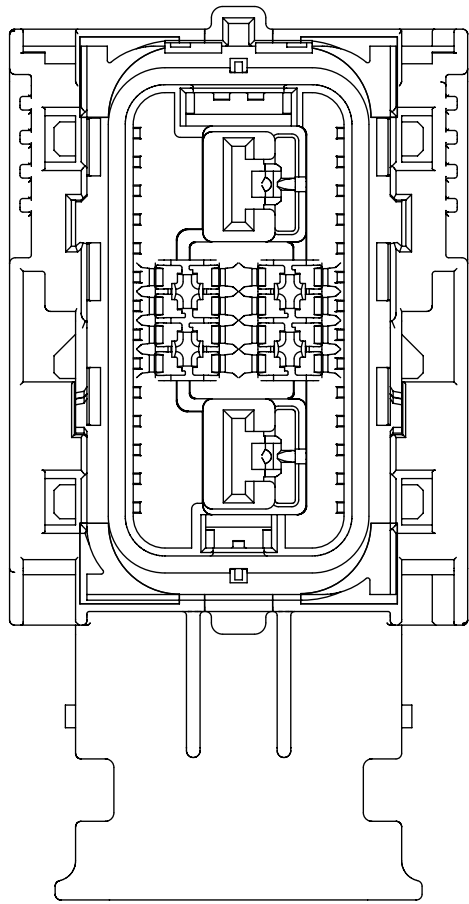
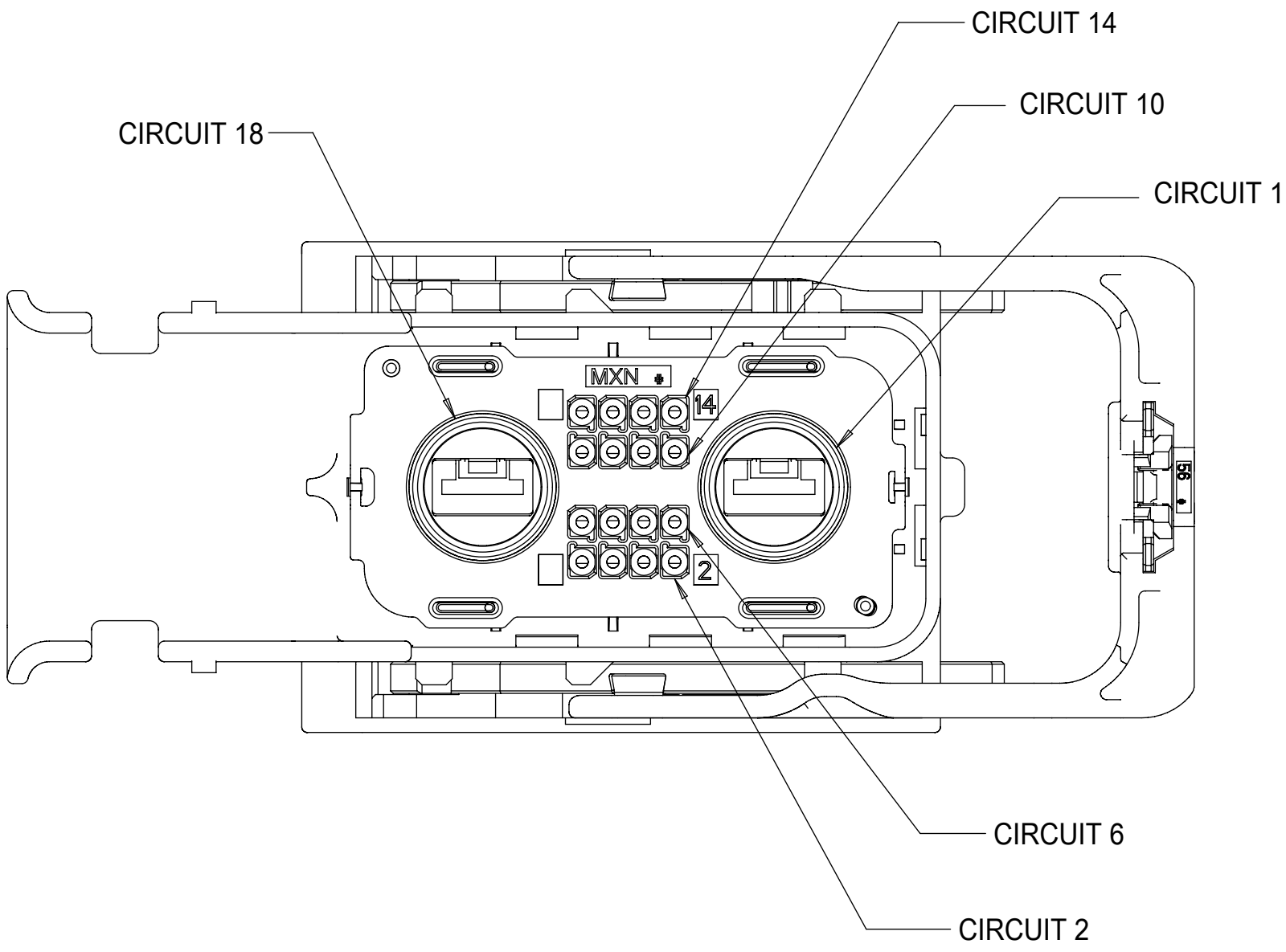


KEY G

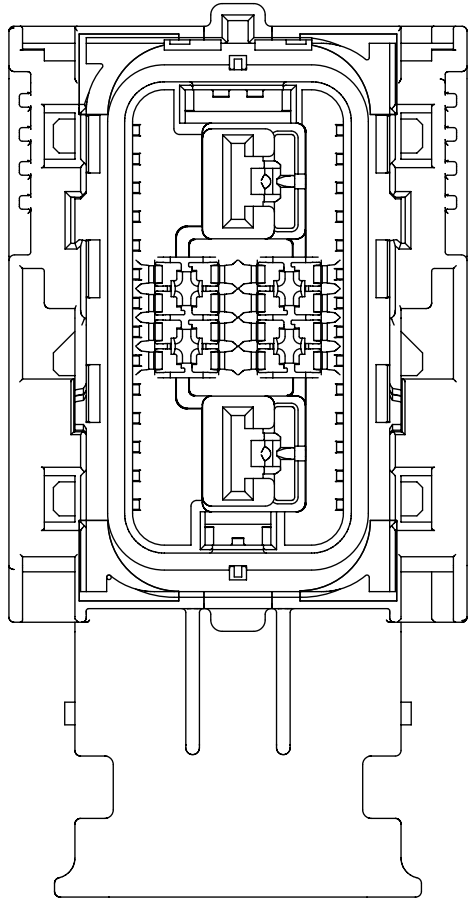


KEY H

WIRE DRESS OPTION 9



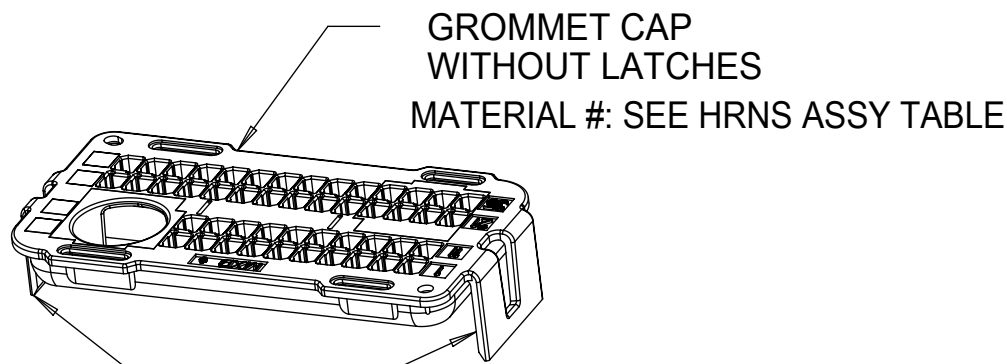
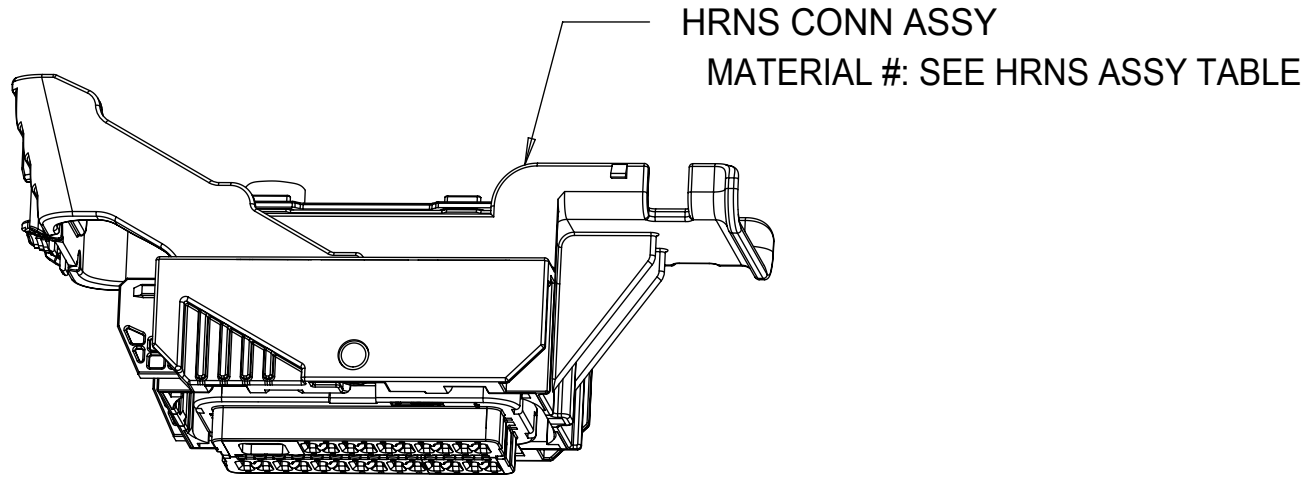
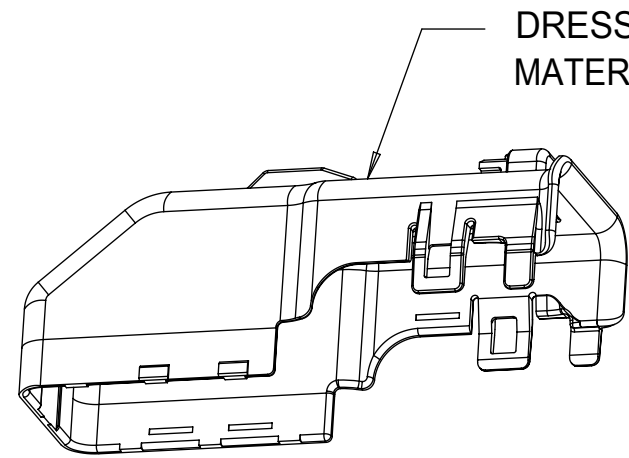
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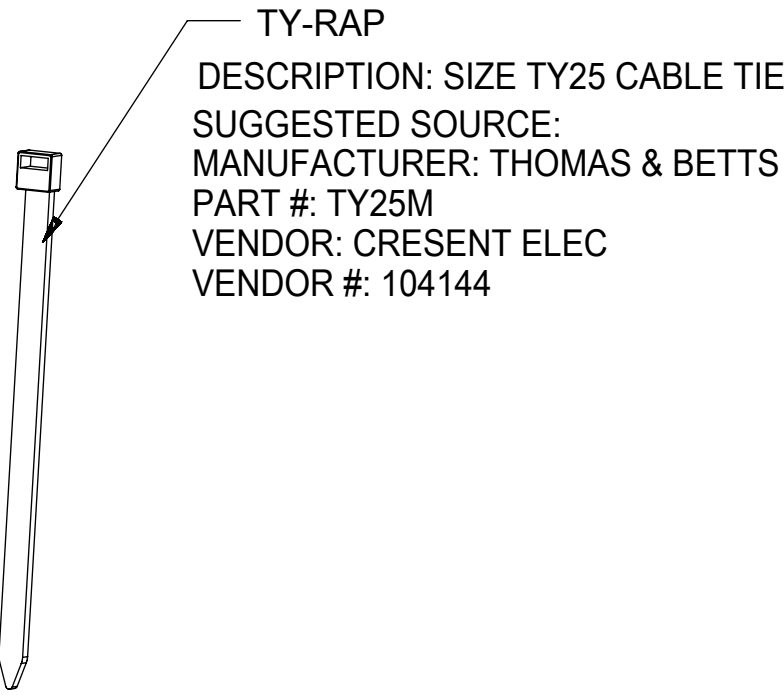
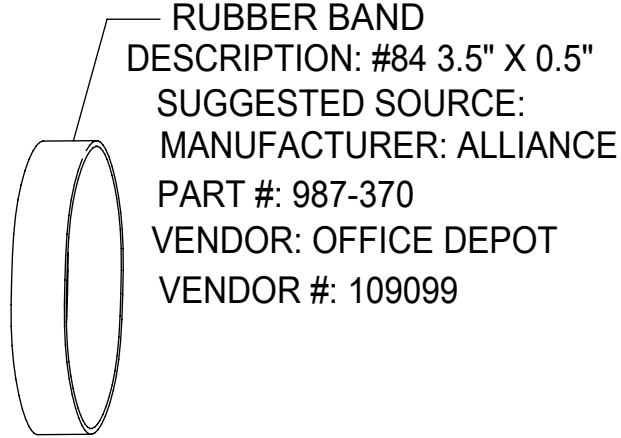
KEY H

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
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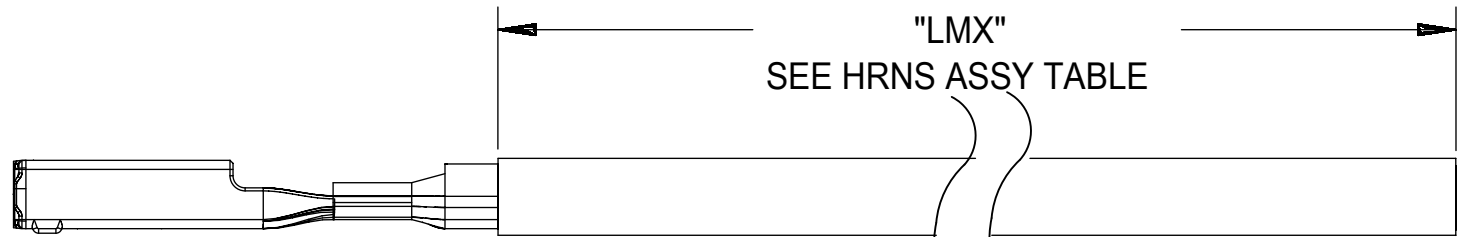
HRNS ASSY
COMPONENT LIST



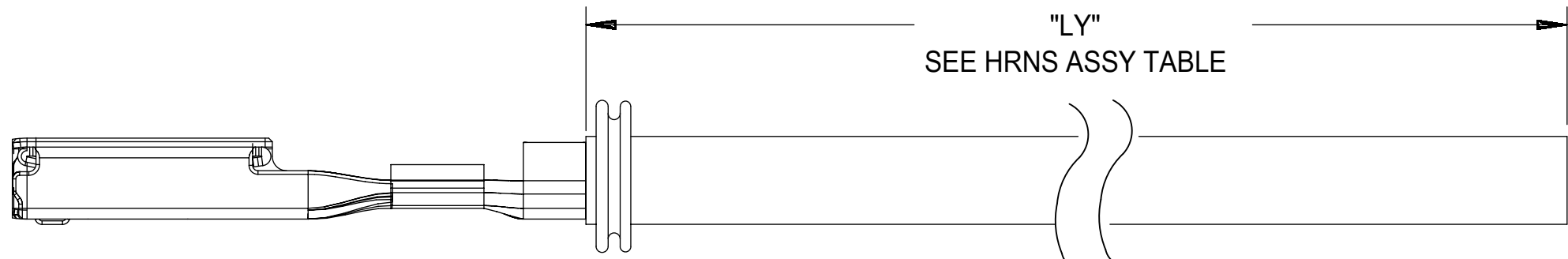
LATCHES
NEED TO BROKEN OFF



MX64 WIRE ASSY LOOPED
MATERIAL #: SEE HRNS ASSY TABLE



MX64 WIRE ASSY PIGTAIL
MATERIAL #: SEE HRNS ASSY TABLE



2.8mm YESC SEALED FEMALE PIGTAIL ASSY
MATERIAL #: SEE HRNS ASSY TABLE

AWG WIRE HRNS ASSY TABLE

TESTED	HRNS ASSY				HRNS CONN ASSY	DRESS COVER	GROMMET CAP	MX64 WIRE ASSY PER E-33468-001							2.8mm YESC SEALED FEMALE TERMINAL TIN/ 6.3mm FCI APEX SEALED FEMALE TERMINAL Sn-Ag						TY-RAP	RUBBER BAND
	MATERIAL #	CIRCUIT ID	KEY OPTION	WIRE DRESS OPTION	MATERIAL #	MATERIAL #	MATERIAL #	MATERIAL #	RCPT PLATING	SAE WIRE SIZE #	WIRE TYPE	PIGTAIL OR LOOPED	"LMX" IN METERS 10%	QTY	MATERIAL #	SAE/ISO WIRE #	WIRE TYPE	PIGTAIL OR LOOPED	"LMX" IN METERS 10%	QTY	QTY	QTY
NO	34090-9333	56	G	0	34576-0703	34575-0003	34581-0301	334670103	Au	18	TXL	PGTL	3	56	N/A	N/A	N/A	N/A	N/A	N/A	6	0
NO	34090-9313	56	G	0	34576-0703	34575-0003	34581-0301	334670102	Au	18	TXL	PGTL	1	56	N/A	N/A	N/A	N/A	N/A	N/A	3	0
NO	34335-9313	56	G	0	34576-0703	34575-0003	34581-0301	334670105	Au	18	PTFE	PGTL	1	56	N/A	N/A	N/A	N/A	N/A	N/A	3	0
NO	34335-9333	56	G	0	34576-0703	34575-0003	34581-0301	334670106	Au	18	PTFE	PGTL	3	56	N/A	N/A	N/A	N/A	N/A	N/A	6	0
YES	34332-9333	56	G	0	34576-0703	34575-0003	34581-0301	334670104	Au	18	TXL	LPD	1	28	N/A	N/A	N/A	N/A	N/A	N/A	3	1
NO	34090-9334	56	G	0	34576-0703	34575-0003	34581-0301	334670203	Ag	18	TXL	PGTL	3	56	N/A	N/A	N/A	N/A	N/A	N/A	6	0
NO	34090-9314	56	G	0	34576-0703	34575-0003	34581-0301	334670202	Ag	18	TXL	PGTL	1	56	N/A	N/A	N/A	N/A	N/A	N/A	3	0
NO	34332-9334	56	G	0	34576-0703	34575-0003	34581-0301	334670204	Ag	18	TXL	LPD	1	28	N/A	N/A	N/A	N/A	N/A	N/A	3	1
NO	34090-9334	56	G	0	34576-0703	34575-0003	34581-0301	334670203	Ag	18	TXL	PGTL	3	56	N/A	N/A	N/A	N/A	N/A	N/A	6	0
NO	34332-9334	56	G	0	34576-0703	34575-0003	34581-0301	334670204	Ag	18	TXL	LPD	1	58	N/A	N/A	N/A	N/A	N/A	N/A	3	1
NO	34335-9314	56	G	0	34576-0703	34575-0003	34581-0301	334670205	Ag	18	PTFE	PGTL	1	56	N/A	N/A	N/A	N/A	N/A	N/A	3	0
NO	34335-9334	56	G	0	34576-0703	34575-0003	34581-0301	334670206	Ag	18	PTFE	PGTL	3	56	N/A	N/A	N/A	N/A	N/A	N/A	6	0
NO	34090-8134	18	G	0	34851-0007	34575-0003	34851-0701	334670203	Ag	18	TXL	PGTL	3	16	348810005	6mm ²	TXL	PGTL	3	2	6	0
NO	34090-8034	18	H	0	34851-0008	34575-0003	34851-0701	334670203	Ag	18	TXL	PGTL	3	16	348810005	6mm ²	TXL	PGTL	3	2	6	0
NO	34332-8134	18	G	0	34851-0025	34575-0003	34851-0711	N/A	N/A	N/A	N/A	N/A	N/A	N/A	348810006	6mm ²	TXL	LPD	0.305	1	0	0
NO	34332-8034	18	H	0	34851-0026	34575-0003	34851-0711	N/A	N/A	N/A	N/A	N/A	N/A	N/A	348810006	6mm ²	TXL	LPD	0.305	1	0	0
NO	34090-8154	18	G	0	34851-0007	34575-0003	34851-0701	334670207	Ag	18	TXL	PGTL	5	16	348810007	6mm ²	TXL	PGTL	5	2	10	0
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NO	34090-9734	49	C	0	34576-0303	34575-0003	34581-0101	334670203	Ag	18	TXL	PGTL	3	48	343670005	14	TXL	PGTL	3	1	6	0
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NO	34090-9234	56	H	0	34576-0803	34575-0003	34581-0301	334670203	Ag	18	TXL	PGTL	3	56	N/A	N/A	N/A	N/A	N/A	N/A	6	0

PRODUCTION PART # FOR HARNESS ASSEMBLY (WITH WIRES): XXXXX-KKWP

XXXXX- SERIES NUMBER			
SERIES #	CKT SIZE	WIRE TYPE	WIRE DRESS
34090	49/56/18	TXL	PGTL
34332	49/56/18	TXL	LPD
34335	49/56/18	PTFE	PGTL

KK- HARNESS CONNECTOR KEY	
#	49/56 KEY
99	A
98	B
97	C
96	D
95	E
94	F
93	G
92	H
91	J
90	K
89	L
88	M
#	18 KEY
87	A
86	B
85	C
84	D
83	E
82	F
81	G
80	H

W- MX64 CRIMPED LEAD WIRE LENGTH (m)

P- MX64 RCPT. TERMINAL PLATING

3 - Au
4 - Ag

NOTES: UNLESS OTHERWISE SPECIFIED APPLIES TO
"HRNS ASSY" ONLY

1. REFER TO: PACKAGING DRAWING # PK-31300-078

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
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DOCUMENT STATUS	P1	RELEASE DATE	2018/05/28 14:32:56
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DRESS COVER
MATERIAL #: SEE HRNS ASSY TABLE

HRNS CONN ASSY
MATERIAL #: SEE HRNS ASSY TABLE

GROMMET CAP
WITHOUT LATCHES
MATERIAL #: SEE HRNS ASSY TABLE

LATCHES
NEED TO BE BROKEN OFF

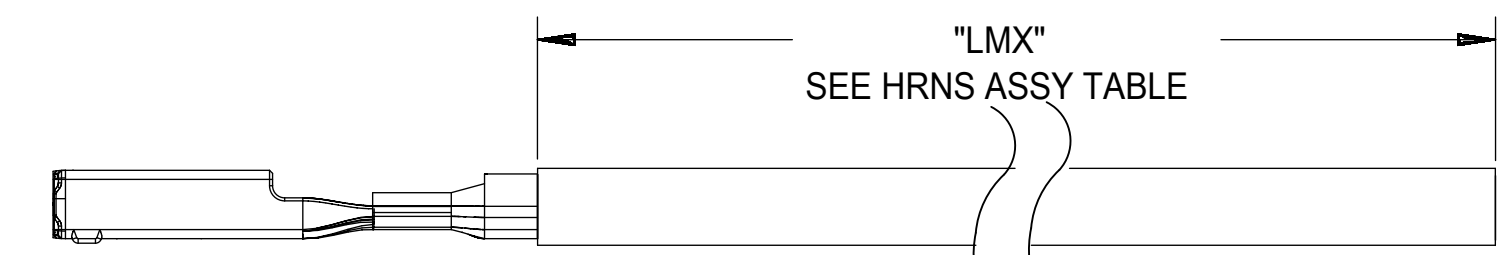


RUBBER BAND
DESCRIPTION: #84 3.5" X 0.5"
SUGGESTED SOURCE:
MANUFACTURER: ALLIANCE
PART #: 987-370
VENDOR: OFFICE DEPOT
VENDOR #: 109099

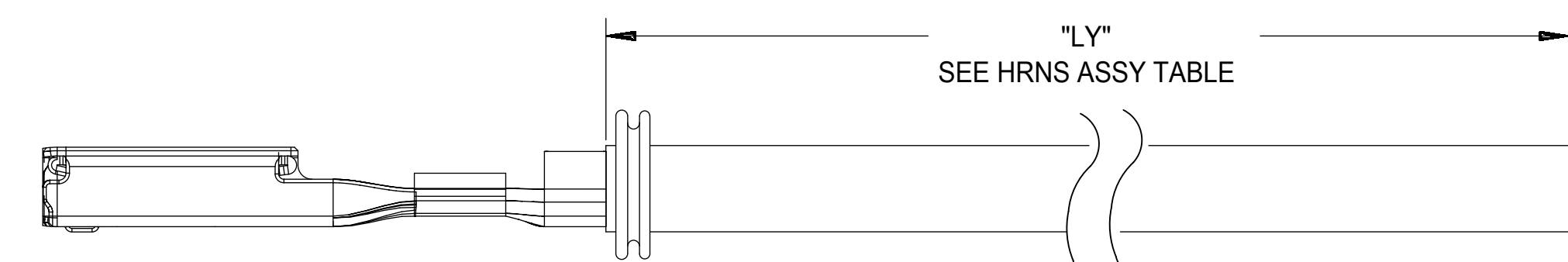
TY-RAP
DESCRIPTION: SIZE TY25 CABLE TIE
SUGGESTED SOURCE:
MANUFACTURER: THOMAS & BETTS
PART #: TY25M
VENDOR: CRESENT ELEC
VENDOR #: 104144



MX64 WIRE ASSY LOOPED
MATERIAL #: SEE HRNS ASSY TABLE



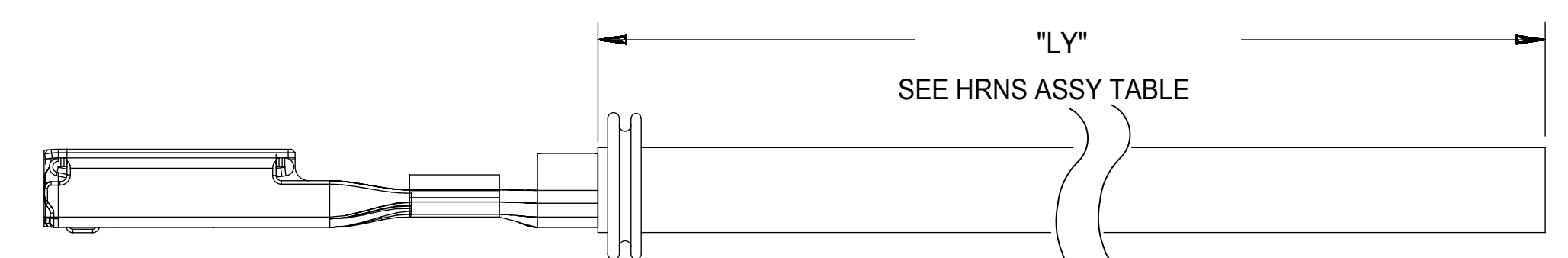
MX64 WIRE ASSY PIGTAIL
MATERIAL #: SEE HRNS ASSY TABLE



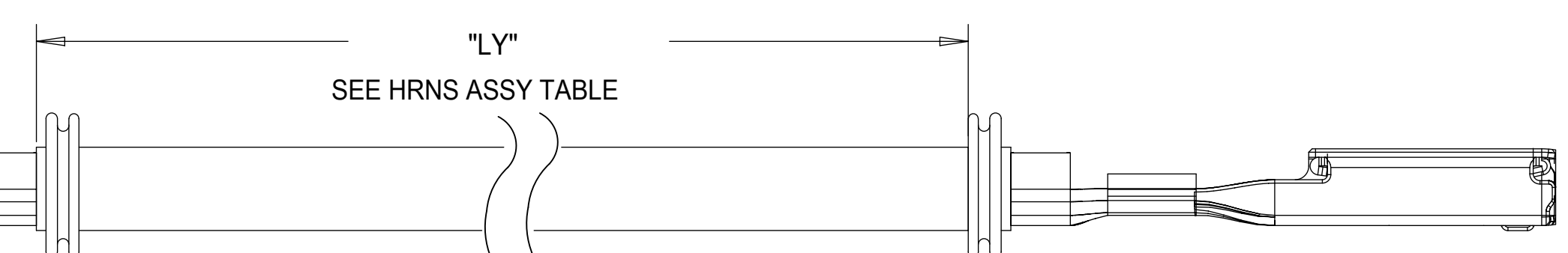
2.8mm YESC SEALED FEMALE PIGTAIL ASSY
MATERIAL #: SEE HRNS ASSY TABLE

TESTED	HRNS ASSY				HRNS CONN ASSY	DRESS COVER	GROMMET CAP	MX64 WIRE ASSY PER E-33468-001							2.8mm YESC SEALED FEMALE TERMINAL TIN/ 6.3mm FCI APEX SEALED FEMALE TERMINAL Sn-Ag						TY-RAP	RUBBER BAND	
	MATERIAL #	CIRCUIT ID	KEY OPTION	WIRE DRESS OPTION				MATERIAL #	MATERIAL #	MATERIAL #	MATERIAL #	RCPT PLATING	SAE WIRE SIZE #	WIRE TYPE	PIGTAIL OR LOOPED	"LMX" IN METERS 10%	QTY	MATERIAL #	SAE/ISO WIRE SIZE #	WIRE TYPE			PIGTAIL OR LOOPED
	NO	34090-9333	56	G	0	34576-0703	34575-0003	34581-0301	334670103	Au	18	TXL	PGTL	3	56	N/A	N/A	N/A	N/A	N/A	N/A	6	0
	NO	34090-9313	56	G	0	34576-0703	34575-0003	34581-0301	334670102	Au	18	TXL	PGTL	1	56	N/A	N/A	N/A	N/A	N/A	N/A	3	0
	NO	34335-9313	56	G	0	34576-0703	34575-0003	34581-0301	334670105	Au	18	PTFE	PGTL	1	56	N/A	N/A	N/A	N/A	N/A	N/A	3	0
	NO	34335-9333	56	G	0	34576-0703	34575-0003	34581-0301	334670106	Au	18	PTFE	PGTL	3	56	N/A	N/A	N/A	N/A	N/A	N/A	6	0
	YES	34332-9333	56	G	0	34576-0703	34575-0003	34581-0301	334670104	Au	18	TXL	LPD	1	28	N/A	N/A	N/A	N/A	N/A	N/A	3	1
	NO	34090-9334	56	G	0	34576-0703	34575-0003	34581-0301	334670203	Ag	18	TXL	PGTL	3	56	N/A	N/A	N/A	N/A	N/A	N/A	6	0
	NO	34090-9314	56	G	0	34576-0703	34575-0003	34581-0301	334670202	Ag	18	TXL	PGTL	1	56	N/A	N/A	N/A	N/A	N/A	N/A	3	0
	NO	34332-9334	56	G	0	34576-0703	34575-0003	34581-0301	334670204	Ag	18	TXL	LPD	1	28	N/A	N/A	N/A	N/A	N/A	N/A	3	1
	NO	34090-9334	56	G	0	34576-0703	34575-0003	34581-0301	334670203	Ag	18	TXL	PGTL	3	56	N/A	N/A	N/A	N/A	N/A	N/A	6	0
	NO	34332-9334	56	G	0	34576-0703	34575-0003	34581-0301	334670204	Ag	18	TXL	LPD	1	58	N/A	N/A	N/A	N/A	N/A	N/A	3	1
	NO	34335-9314	56	G	0	34576-0703	34575-0003	34581-0301	334670205	Ag	18	PTFE	PGTL	1	56	N/A	N/A	N/A	N/A	N/A	N/A	3	0
	NO	34335-9334	56	G	0	34576-0703	34575-0003	34581-0301	334670206	Ag	18	PTFE	PGTL	3	56	N/A	N/A	N/A	N/A	N/A	N/A	6	0
	NO	34090-8134	18	G	0	34851-0007	34575-0003	34851-0701	334670203	Ag	18	TXL	PGTL	3	16	348810005	6mm²	TXL	PGTL	3	2	6	0
	NO	34090-8034	18	H	0	34851-0008	34575-0003	34851-0701	334670203	Ag	18	TXL	PGTL	3	16	348810005	6mm²	TXL	PGTL	3	2	6	0
	NO	34332-8134	18	G	0	34851-0025	34575-0003	34851-0711	N/A	N/A	N/A	N/A	N/A	N/A	N/A	348810006	6mm²	TXL	LPD	0.305	1	0	0
	NO	34332-8034	18	H	0	34851-0026	34575-0003	34851-0711	N/A	N/A	N/A	N/A	N/A	N/A	N/A	348810006	6mm²	TXL	LPD	0.305	1	0	0
	NO	34090-8154	18	G	0	34851-0007	34575-0003	34851-0701	334670207	Ag	18	TXL	PGTL	5	16	348810007	6mm²	TXL	PGTL	5	2	10	0
	NO	34090-8054	18	H	0	34851-0008	34575-0003	34851-0701	334670207	Ag	18	TXL	PGTL	5	16	348810007	6mm²	TXL	PGTL	5	2	10	0
	NO	34090-7534	18	G	0	34851-0027	34575-0003	34851-1001	334670203	Ag	18	TXL	PGTL	3	16	348810005	6mm²	TXL	PGTL	3	2</		

XXXXX- SERIES NUMBER			
SERIES #	CKT SIZE	WIRE TYPE	WIRE DRESS
34090	49/56/18	TXL	PGTL
34332	49/56/18	TXL	LPD
34335	49/56/18	PTFE	PGTL



6.3mm FCI APEX SEALED FEMALE PIGTAIL ASSY
MATERIAL #: SEE HRNS ASSY TABLE

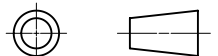
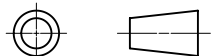
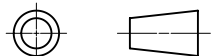
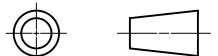
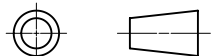
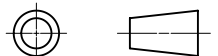
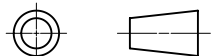
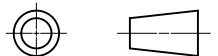
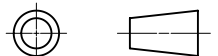
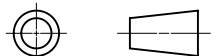
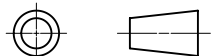
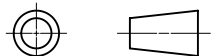
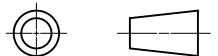
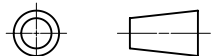
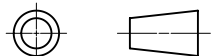
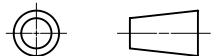
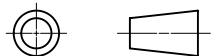
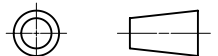
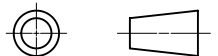
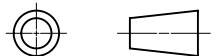
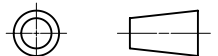
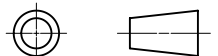
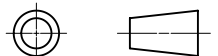
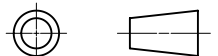
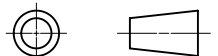
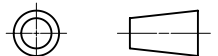
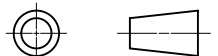
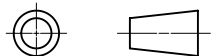
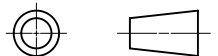
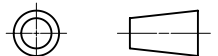
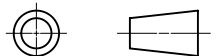
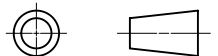
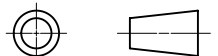
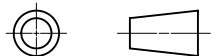
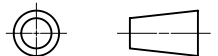
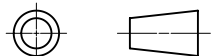
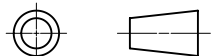
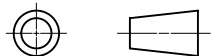
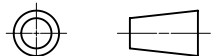
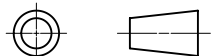
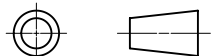
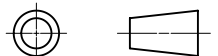
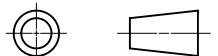
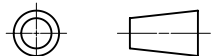
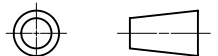
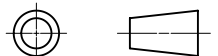
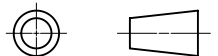
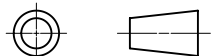
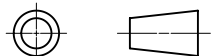
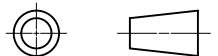
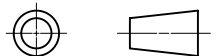
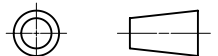
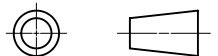
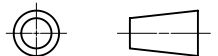
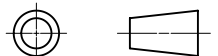
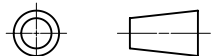
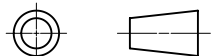
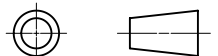
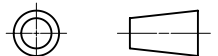
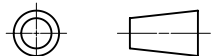
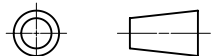
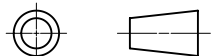
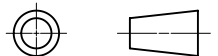
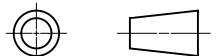
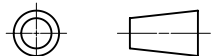
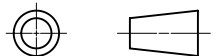
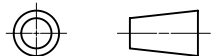
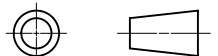
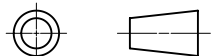
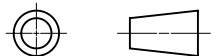
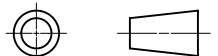
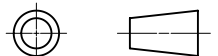
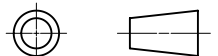
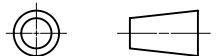
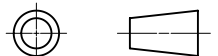
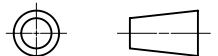
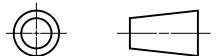
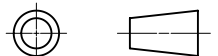
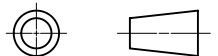
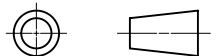
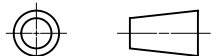
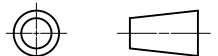
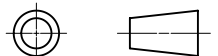
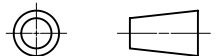
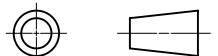
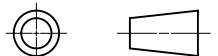
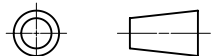
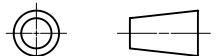
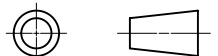
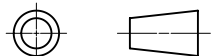
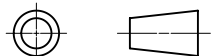
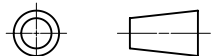
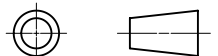
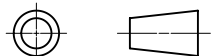
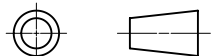


6.3mm FCI APEX SEALED FEMALE LOOPED ASSY
MATERIAL #: SEE HRNS ASSY TABLE

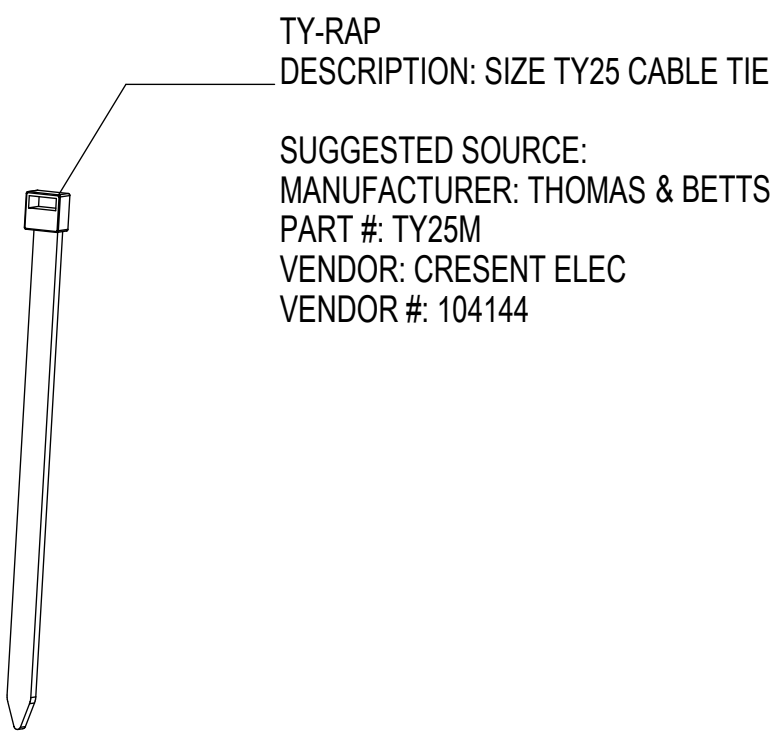
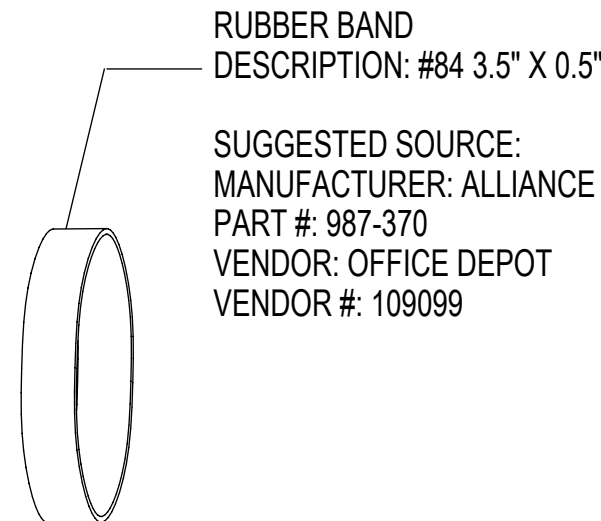
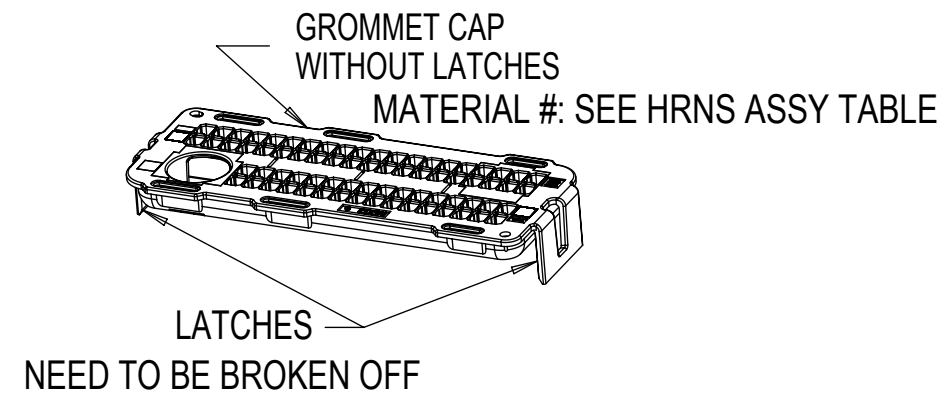
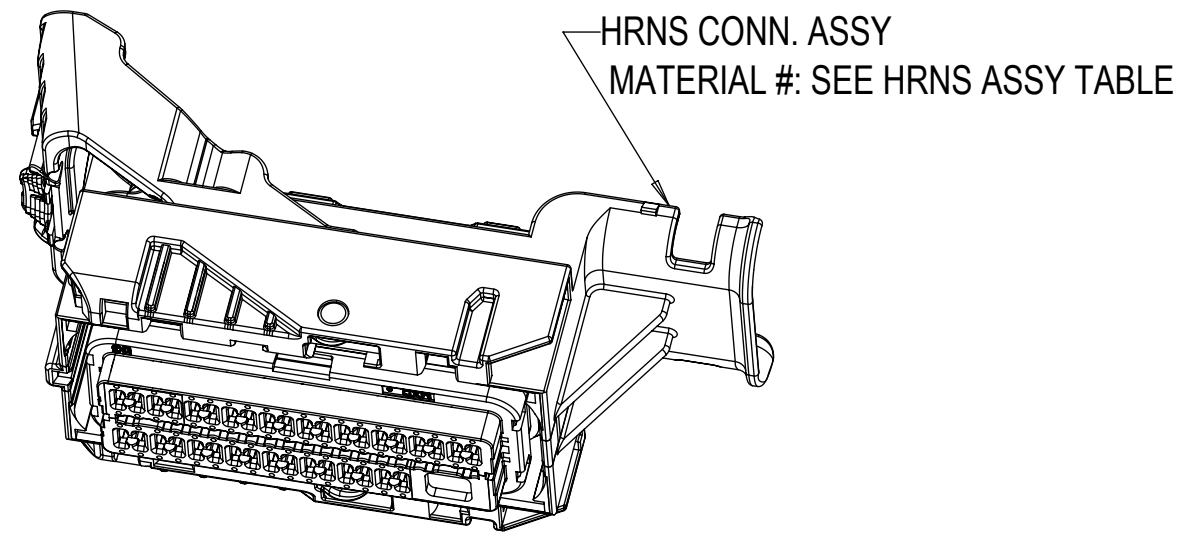
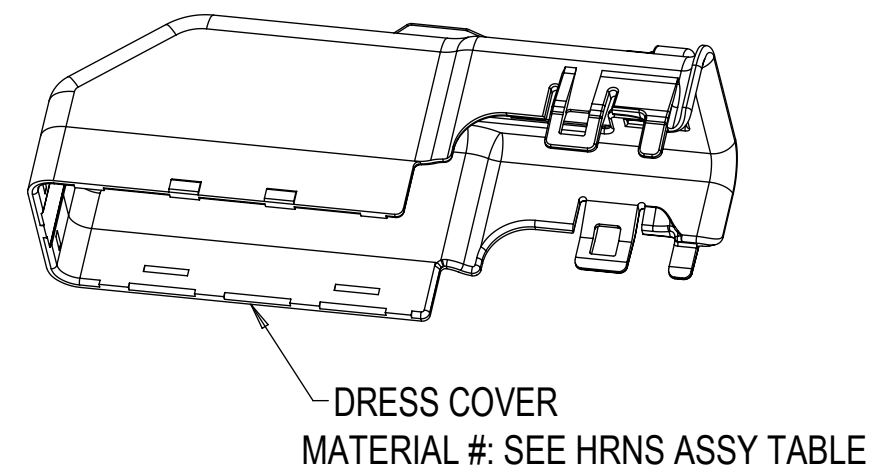
KK- HARNESS CONNECTOR KEY	
#	49/56 KEY
99	A
98	B
97	C
96	D
95	E
94	F
93	G
92	H
91	J
90	K
89	L
88	M
#	18 KEY
87	A
86	B
85	C
84	D
83	E
82	F
81	G
80	H

3 - Au
4 - Ag

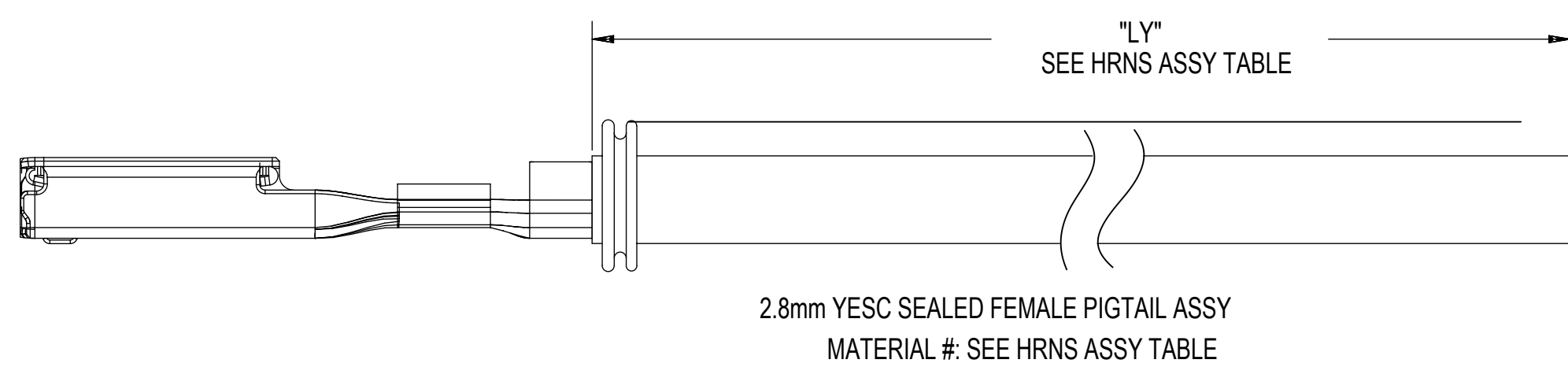
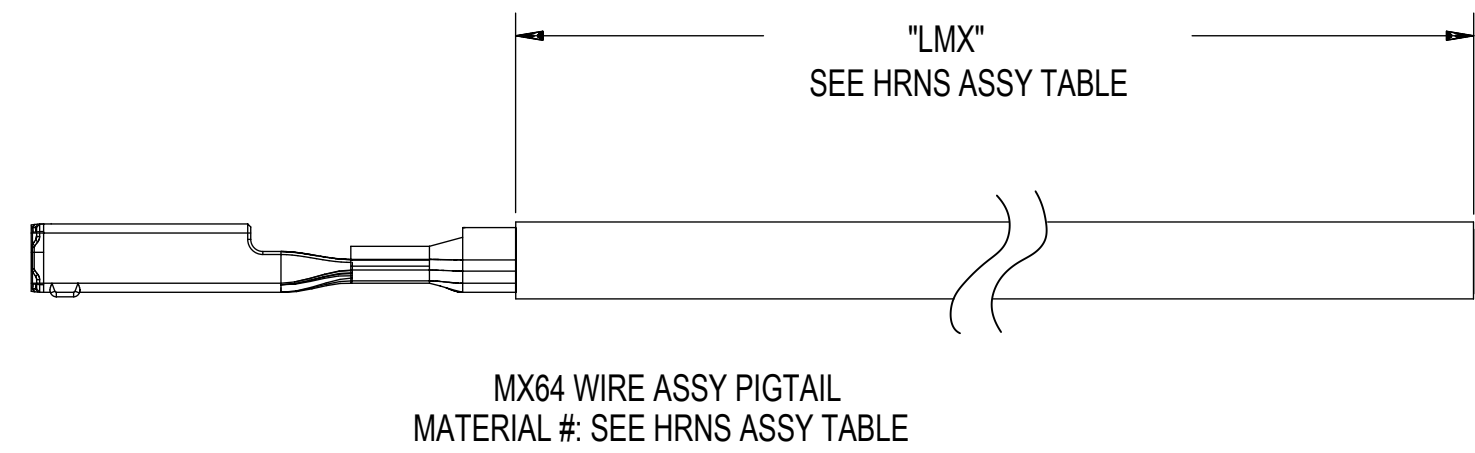
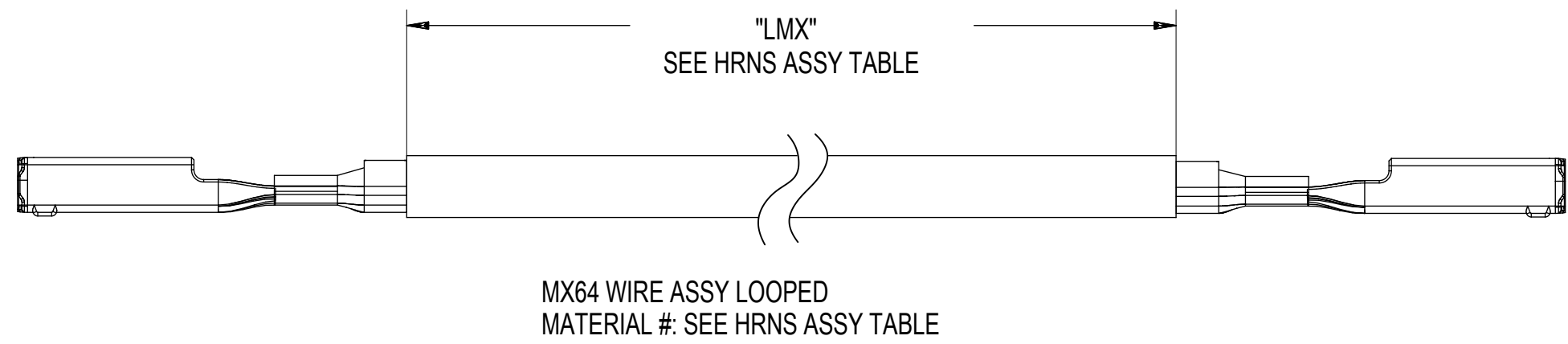
NOTES: UNLESS OTHERWISE SPECIFIED APPLIES TO
"HRNS ASSY" ONLY
1. REFER TO: PACKAGING DRAWING # PK-31300-078

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
DIMENSION UNITS		SCALE		CURRENT REV DESC:				molex					
mm													
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 176054 DRWN: HKLIANG 2018/05/23 CHK'D: JDENG02 2018/05/28 APPR: JDENG02 2018/05/28				MX123 18/49/56 CKT HRNS CONN ASSY							
ANGULAR TOL ± °													
4 PLACES ±		INITIAL REVISION: DRWN: TYE 2016/07/13 APPR: SKRAJENDRANA 2016/10/24				PRODUCT CUSTOMER DRAWING							
3 PLACES ±													
2 PLACES ±		THIRD ANGLE PROJECTION				DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
1 PLACE ±													
0 PLACES ±		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER				SHEET NUMBER	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS													
				D-SIZE		34576		GENERAL MARKET				7 OF 10	
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				D-SIZE		34576		GENERAL MARKET				7 OF	

HRNS ASSY
COMPONENT LIST



HRNS ASSY



ISO WIRE HRNS ASSY TABLE

TESTED	HRNS ASSY				HRNS CONN ASSY	DRESS COVER	GROMMET CAP	MX64 WIRE ASSY PER E-33468-001							2.8mm YESC SEALED FEMALE TERMINAL TIN						TY-RAP	RUBBER BAND
	MATERIAL #	CIRCUIT ID	KEY OPTION	WIRE DRESS OPTION	MATERIAL #	MATERIAL #	MATERIAL #	MATERIAL #	RCPT PLATING	WIRE SIZE mm²	WIRE TYPE	PIGTAIL OR LOOPED	"LMX" IN METERS 10%	QTY	MATERIAL #	WIRE SIZE # mm²	WIRE TYPE	PIGTAIL OR LOOPED	"LMX" IN METERS 10%	QTY	QTY	QTY
NO	2048419931	49	A	0	34576-0103	34575-0003	34581-0101	2047801003	Ag	0.35	ISO	PGTL	3	48	2047811003	2	ISO	PGTL	3	1	6	0
NO	2048419731	49	C	0	34576-0303	34575-0003	34581-0101	2047801003	Ag	0.35	ISO	PGTL	3	48	2047811003	2	ISO	PGTL	3	1	6	0
NO	2048419932	49	A	0	34576-0103	34575-0003	34581-0101	2047802003	Ag	0.50	ISO	PGTL	3	48	2047812003	2	ISO	PGTL	3	1	6	0
NO	2048419732	49	C	0	34576-0303	34575-0003	34581-0101	2047802003	Ag	0.50	ISO	PGTL	3	48	2047812003	2	ISO	PGTL	3	1	6	0
NO	2048419933	49	A	0	34576-0103	34575-0003	34581-0101	2047803003	Ag	0.75	ISO	PGTL	3	48	2047813003	2	ISO	PGTL	3	1	6	0
NO	2048419733	49	C	0	34576-0303	34575-0003	34581-0101	2047803003	Ag	0.75	ISO	PGTL	3	48	2047813003	2	ISO	PGTL	3	1	6	0
NO	2048429911	49	A	0	34576-0103	34575-0003	34581-0101	2047801101	Ag	0.35	ISO	LPD	1	48	2047811101	2	ISO	LPD	1	1	3	0
NO	2048429711	49	C	0	34576-0303	34575-0003	34581-0101	2047801101	Ag	0.35	ISO	LPD	1	48	2047811101	2	ISO	LPD	1	1	3	0
NO	2048429912	49	A	0	34576-0103	34575-0003	34581-0101	2047802101	Ag	0.50	ISO	LPD	1	48	2047812101	2	ISO	LPD	1	1	3	0
NO	2048429712	49	C	0	34576-0303	34575-0003	34581-0101	2047802101	Ag	0.50	ISO	LPD	1	48	2047812101	2	ISO	LPD	1	1	3	0
NO	2048429913	49	A	0	34576-0103	34575-0003	34581-0101	2047803101	Ag	0.75	ISO	LPD	1	48	2047813101	2	ISO	LPD	1	1	3	0
NO	2048429713	49	C	0	34576-0303	34575-0003	34581-0101	2047803101	Ag	0.75	ISO	LPD	1	48	2047813101	2	ISO	LPD	1	1	3	0

PRODUCTION PART # FOR HARNESS ASSEMBLY (WITH WIRES) XXXXX-KKLW

XXXXXX- SERIES NUMBER			
SERIES #	CKT SIZE	WIRE TYPE	WIRE DRESS
204841	56/49/18	ISO*	PGTL
204842	56/49/18	ISO*	LPD

KK - HARNESS CONNECTOR KEY	
#	49/56 KEY
99	A
98	B
97	C
96	D
95	E
94	F
93	G
92	H
91	J
90	K
89	L
88	M
#	18 KEY
87	A
86	B
85	C
84	D
83	E
82	F
81	G
80	H

L - MX64 CRIMPED LEAD WIRE LENGTH (m)
W - MX64 CRIMPED LEAD WIRE WIDTH (mm²)
1 - 0.35
2 - 0.50
3 - 0.75

NOTES: UNLESS OTHERWISE SPECIFIED APPLIES TO "HRNS ASSY" ONLY
1. REFER TO: PACKAGING DRAWING # PK-31300-078
2. FOR HRNS ASSY WITH WIRE ASSY SEE NEXT PAGE

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
DIMENSION UNITS		SCALE		CURRENT REV DESC:				molex			
mm											
GENERAL TOLERANCES (UNLESS SPECIFIED)				MX123 18/49/56 CKT HRNS CONN ASSY							
ANGULAR TOL		± °									
4 PLACES		±									
3 PLACES		±									
2 PLACES		±									
1 PLACE		±		PRODUCT CUSTOMER DRAWING							
0 PLACES		±									
INITIAL REVISION:				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION			
DRWN: TYE		2016/07/13		SD-34576-001		PSD	000	F82			
APPR: SKRAJENDRANA		2016/10/24									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				D-SIZE	34576			GENERAL MARKET		9 OF 10	

