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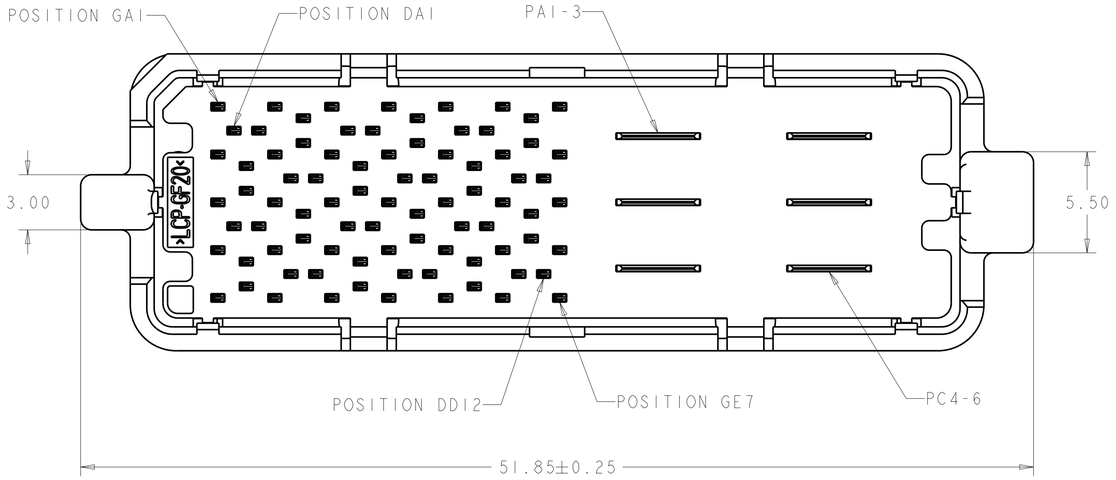
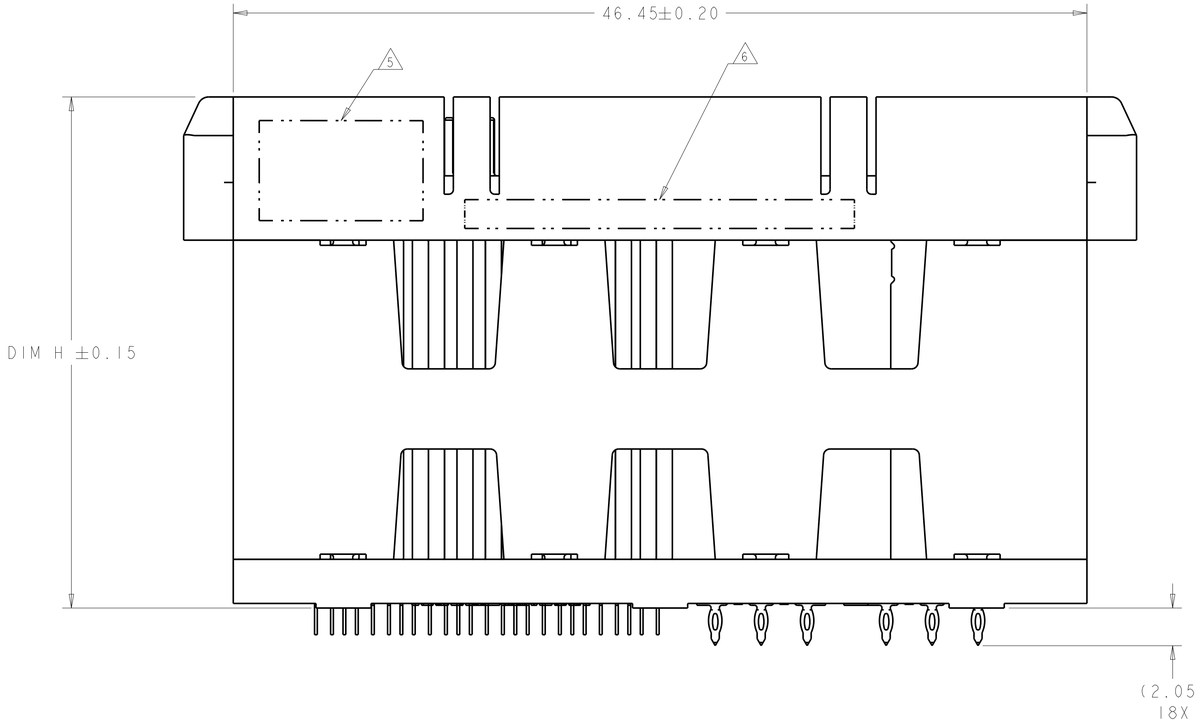
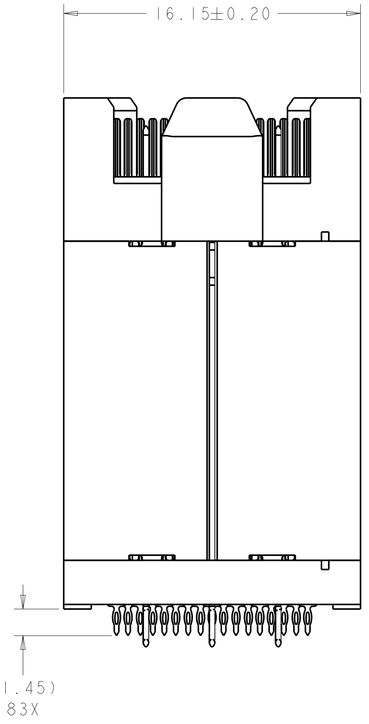
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	REVISED PER ECO-14-005178	11APR2014	AP	MH







1. MATERIAL:
   BASE HOUSING, UPPER HOUSING, ORGANIZER, AND SPACER: THERMOPLASTIC, FLAMMABILITY RATING UL94 V-0
   CONTACT: COPPER ALLOY

2. CONFORMS TO THE REQUIREMENTS OF TE PRODUCT SPECIFICATION, 108-2375; BASED ON TELCORDIA GR-1217-CORE FOR SYSTEM QUALITY LEVEL III, APPLICATIONS IN CONTROLLED ENVIRONMENTS (CENTRAL OFFICE).
   SEE TE PRODUCT SPECIFICATION 108-2375 FOR TEST SEQUENCES.

3. ROWS GA THRU GE (SHOWN DARKENED) ARE TYPICALLY USED AS GROUNDS.

4. SPECIFIED POSITIONAL TOLERANCE DEFINES HOLE TO HOLE LOCATION WITHIN HOLE PATTERN. POSITIONAL TOLERANCE OF HOLE PATTERN TO FUDICIAL MARKS OR PCB DATUMS SHALL BE DEFINED BY CUSTOMER.

5. AREA RESERVED FOR TE CONNECTIVITY LOGO.

6. AREA RESERVED FOR PART NUMBER (X-XXXXXXX-X) AND DATE CODE (YYWW).

7. USE CENTER LINES INDICATED ON PCB HOLE PATTERN TO ESTABLISH ALIGNMENT BETWEEN HEADER AND RECEPTACLE BOARDS.

8. PLATED THROUGH HOLE REQUIREMENTS - SIGNAL:
   HOLE SIZE PRIOR TO PLATING = Ø0.420±0.013
   COPPER PLATING THICKNESS = 0.038±0.013
   CALCULATED FINISHED HOLE SIZE = Ø0.344±0.039
   THESE DIMENSIONS APPLY TO THE TOP 1.25mm OF THE PCB THICKNESS FROM THE CONNECTOR MOUNTING SIDE.

9. PLATED THROUGH HOLE REQUIREMENTS - POWER:
   HOLE SIZE PRIOR TO PLATING = Ø0.700±0.025
   COPPER PLATING THICKNESS = 0.038±0.013
   CALCULATED FINISHED HOLE SIZE = Ø0.624±0.051
   THESE DIMENSIONS APPLY TO THE TOP 1.50mm OF THE PCB THICKNESS FROM THE CONNECTOR MOUNTING SIDE.

10. CONTACT SALES FOR AVAILABILITY OF THIS STACK HEIGHT.

11. PRELIMINARY PARTS.

SIZE 2 HALF WIDE W/GUIDE POSTS *
24 DIFFERENTIAL PAIRS + GROUNDS
83 TOTAL SIGNAL CONTACTS
6 POWER CONTACTS

* SIZE 1 AND SIZE 3 ARE ALSO AVAILABLE

THIS PRODUCT HAS NOT COMPLETED VALIDATION AND QUALIFICATION TESTING

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±-
2 PLC ±0.13
3 PLC ±0.013
4 PLC ±-
ANGLES ±1

MATERIAL - 1 -
FINISH - -

DWN HAMNER 03JUN2011
CHK D. TROUT 07JUN2011
APVD J. FEDDER 07JUN2011
PRODUCT SPEC 108-2375
APPLICATION SPEC 114-13249
WEIGHT -

TE Connectivity

NAME HEADER ASSEMBLY, HALF-WIDE, 24/83/6P, STRADA MESA MEZZANINE CONNECTOR

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2180760	-

Customer Drawing | SCALE 6:1 | SHEET 1 OF 4 | REV A

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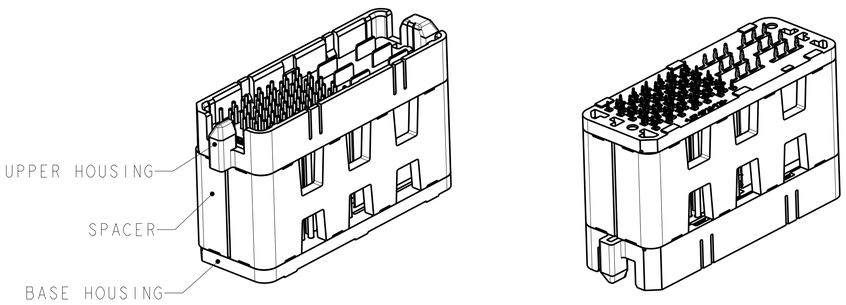
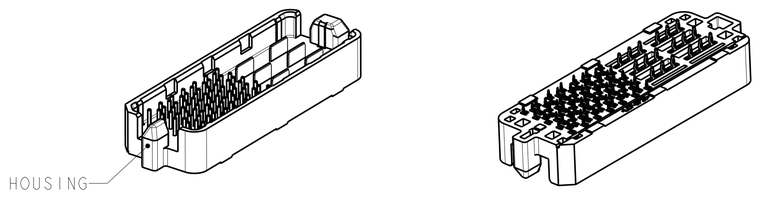
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



ISOMETRIC VIEW
TYPICAL CONFIGURATION FOR 14mm THRU 42mm
28mm SHOWN
SCALE 2:1



ISOMETRIC VIEWS
TYPICAL CONFIGURATION FOR 8mm THRU 13mm
8mm SHOWN
SCALE 2:1

TOOLED	DIM H	STACK HEIGHT	CONTACT TAIL PLATING	PART NUMBER
10	41.8	42mm	MATTE Sn	11 9-2180760-2
10	40.8	41mm	MATTE Sn	11 9-2180760-1
10	39.8	40mm	MATTE Sn	11 9-2180760-0
10	38.8	39mm	MATTE Sn	11 8-2180760-9
10	37.8	38mm	MATTE Sn	11 8-2180760-8
YES	36.8	37mm	MATTE Sn	8-2180760-7
10	35.8	36mm	MATTE Sn	11 8-2180760-6
10	34.8	35mm	MATTE Sn	11 8-2180760-5
10	33.8	34mm	MATTE Sn	11 8-2180760-4
10	32.8	33mm	MATTE Sn	11 8-2180760-3
10	31.8	32mm	MATTE Sn	11 8-2180760-2
10	30.8	31mm	MATTE Sn	11 8-2180760-1
10	29.8	30mm	MATTE Sn	11 8-2180760-0
10	28.8	29mm	MATTE Sn	11 7-2180760-9
10	27.8	28mm	MATTE Sn	11 7-2180760-8
10	26.8	27mm	MATTE Sn	11 7-2180760-7
10	25.8	26mm	MATTE Sn	11 7-2180760-6
10	24.8	25mm	MATTE Sn	11 7-2180760-5
10	23.8	24mm	MATTE Sn	11 7-2180760-4
YES	22.8	23mm	MATTE Sn	7-2180760-3
10	21.8	22mm	MATTE Sn	11 7-2180760-2
10	20.8	21mm	MATTE Sn	11 7-2180760-1
10	19.8	20mm	MATTE Sn	11 7-2180760-0
10	18.8	19mm	MATTE Sn	11 6-2180760-9
10	17.8	18mm	MATTE Sn	11 6-2180760-8
10	16.8	17mm	MATTE Sn	11 6-2180760-7
10	15.8	16mm	MATTE Sn	11 6-2180760-6
10	14.8	15mm	MATTE Sn	11 6-2180760-5
10	13.8	14mm	MATTE Sn	11 6-2180760-4
10	12.8	13mm	MATTE Sn	11 6-2180760-3
10	11.8	12mm	MATTE Sn	11 6-2180760-2
10	10.8	11mm	MATTE Sn	11 6-2180760-1
10	9.8	10mm	MATTE Sn	11 6-2180760-0
10	8.8	9mm	MATTE Sn	11 5-2180760-9
10	7.8	8mm	MATTE Sn	11 5-2180760-8

TOOLED	DIM H	STACK HEIGHT	CONTACT TAIL PLATING	PART NUMBER
10	41.8	42mm	Sn/Pb	11 4-2180760-2
10	40.8	41mm	Sn/Pb	11 4-2180760-1
10	39.8	40mm	Sn/Pb	11 4-2180760-0
10	38.8	39mm	Sn/Pb	11 3-2180760-9
10	37.8	38mm	Sn/Pb	11 3-2180760-8
YES	36.8	37mm	Sn/Pb	3-2180760-7
10	35.8	36mm	Sn/Pb	11 3-2180760-6
10	34.8	35mm	Sn/Pb	11 3-2180760-5
10	33.8	34mm	Sn/Pb	11 3-2180760-4
10	32.8	33mm	Sn/Pb	11 3-2180760-3
10	31.8	32mm	Sn/Pb	11 3-2180760-2
10	30.8	31mm	Sn/Pb	11 3-2180760-1
10	29.8	30mm	Sn/Pb	11 3-2180760-0
10	28.8	29mm	Sn/Pb	11 2-2180760-9
10	27.8	28mm	Sn/Pb	11 2-2180760-8
10	26.8	27mm	Sn/Pb	11 2-2180760-7
10	25.8	26mm	Sn/Pb	11 2-2180760-6
10	24.8	25mm	Sn/Pb	11 2-2180760-5
10	23.8	24mm	Sn/Pb	11 2-2180760-4
YES	22.8	23mm	Sn/Pb	2-2180760-3
10	21.8	22mm	Sn/Pb	11 2-2180760-2
10	20.8	21mm	Sn/Pb	11 2-2180760-1
10	19.8	20mm	Sn/Pb	11 2-2180760-0
10	18.8	19mm	Sn/Pb	11 1-2180760-9
10	17.8	18mm	Sn/Pb	11 1-2180760-8
10	16.8	17mm	Sn/Pb	11 1-2180760-7
10	15.8	16mm	Sn/Pb	11 1-2180760-6
10	14.8	15mm	Sn/Pb	11 1-2180760-5
10	13.8	14mm	Sn/Pb	11 1-2180760-4
10	12.8	13mm	Sn/Pb	11 1-2180760-3
10	11.8	12mm	Sn/Pb	11 1-2180760-2
10	10.8	11mm	Sn/Pb	11 1-2180760-1
10	9.8	10mm	Sn/Pb	11 1-2180760-0
10	8.8	9mm	Sn/Pb	11 2180760-9
10	7.8	8mm	Sn/Pb	11 2180760-8

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±-
2 PLC ±0.13
3 PLC ±0.013
4 PLC ±-
ANGLES ±1

MATERIAL -
FINISH -

DWN 03JUN2011 HAMNER
CHK 07JUN2011 D. TROUT
APVD 07JUN2011 J. FEDDER
PRODUCT SPEC 108-2375
APPLICATION SPEC 114-13249
WEIGHT -

TE Connectivity

NAME HEADER ASSEMBLY, HALF-WIDE, 24/83/6P, STRADA MESA MEZZANINE CONNECTOR

SIZE A1 | CAGE CODE 00779 | DRAWING NO C-2180760 | RESTRICTED TO -

Customer Drawing | SCALE 6:1 | SHEET 2 OF 4 | REV A

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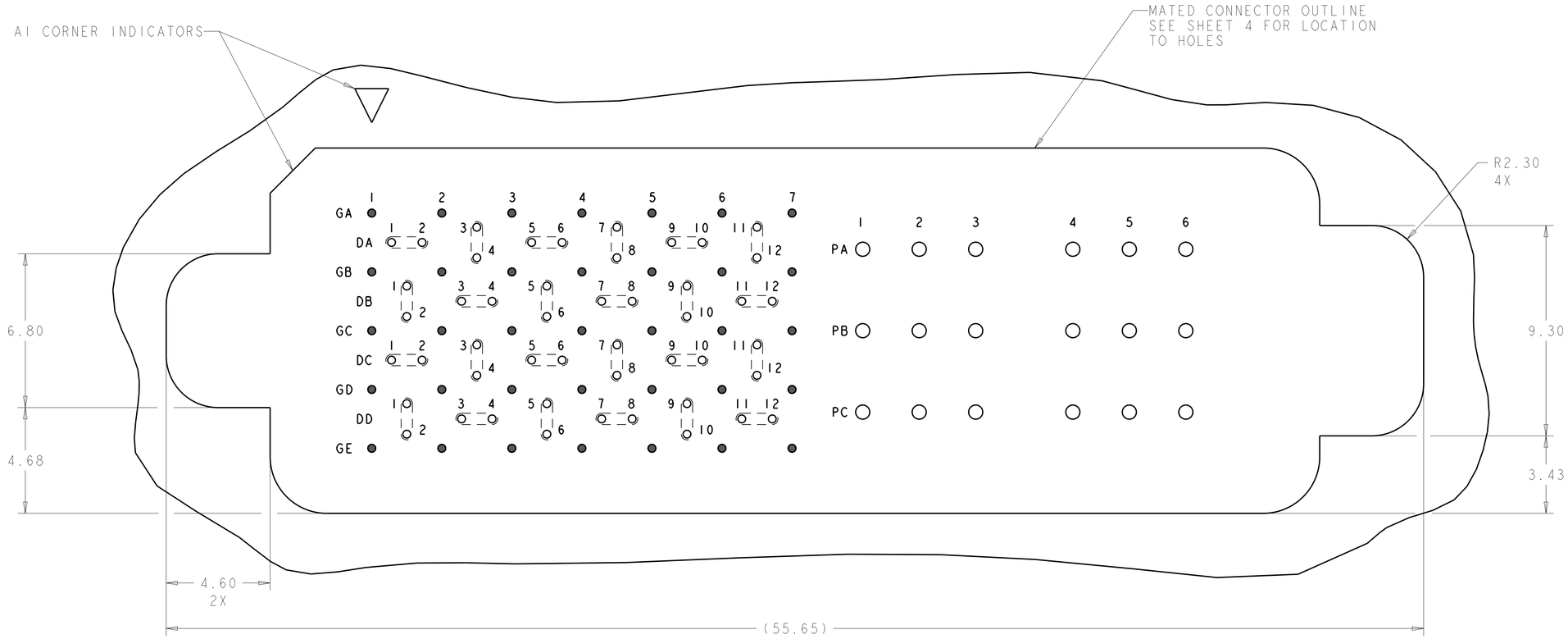
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



PCB LAYOUT AND PIN IDENTIFICATION △3

SHOWN FROM CONNECTOR SIDE
SCALE 9:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN HAMNER 03JUN2011	TE Connectivity		
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±- 2 PLC ±0.13 3 PLC ±0.013 4 PLC ±- ANGLES ±1	CHK D. TROUT 07JUN2011	NAME HEADER ASSEMBLY, HALF-WIDE, 24/83/6P, STRADA MESA MEZZANINE CONNECTOR		
		APVD J. FEDDER 07JUN2011			
		PRODUCT SPEC 108-2375			
		APPLICATION SPEC 114-13249	SIZE A1	CAGE CODE 00779	DRAWING NO C-2180760
MATERIAL - -	FINISH - -	WEIGHT -	RESTRICTED TO -		
		Customer Drawing	SCALE 6:1	SHEET 3 OF 4	REV A

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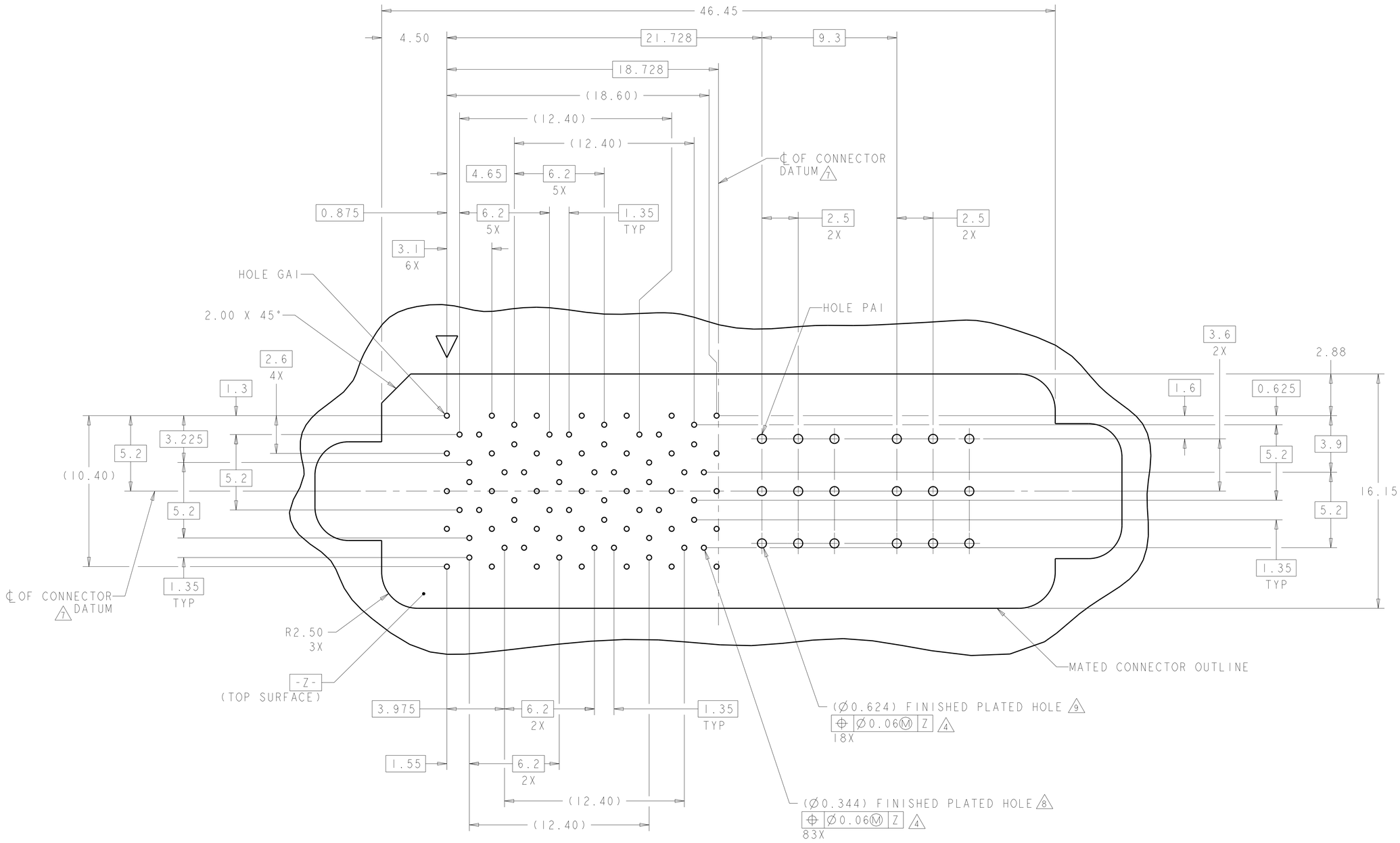
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



PCB HOLE PATTERN

SHOWN FROM CONNECTOR SIDE

SCALE 7:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±-
2 PLC ±0.13
3 PLC ±0.013
4 PLC ±-
ANGLES ±1

MATERIAL -
FINISH -

DWN HAMNER 03JUN2011
CHK D. TROUT 07JUN2011
APVD J. FEDDER 07JUN2011
PRODUCT SPEC 108-2375
APPLICATION SPEC 114-13249
WEIGHT -

TE Connectivity

NAME HEADER ASSEMBLY, HALF-WIDE, 24/83/6P, STRADA MESA MEZZANINE CONNECTOR

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2180760	-

Customer Drawing | SCALE 6:1 | SHEET 4 OF 4 | REV A