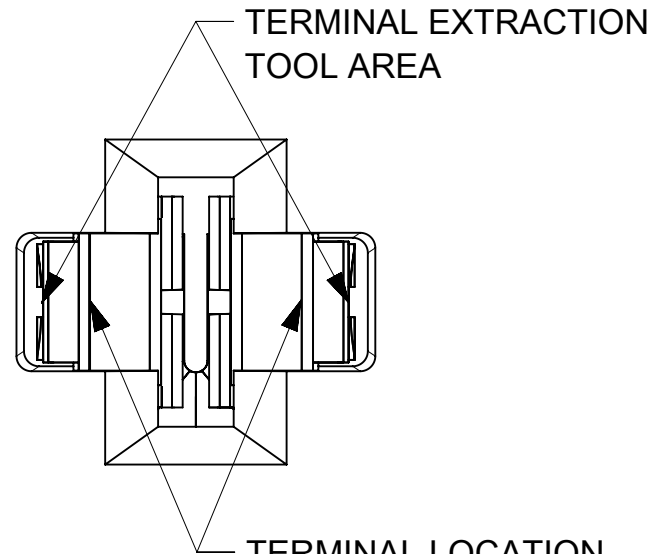
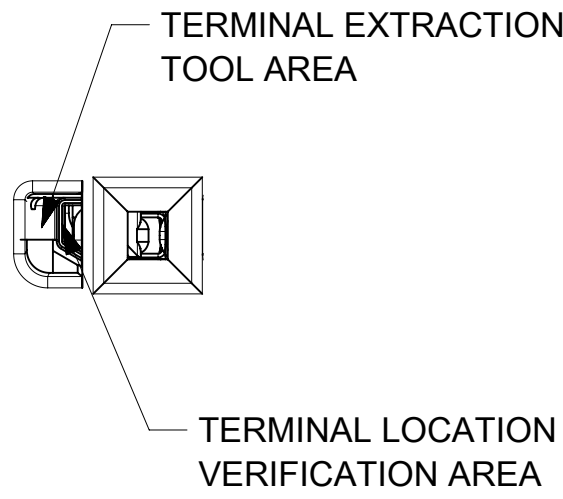
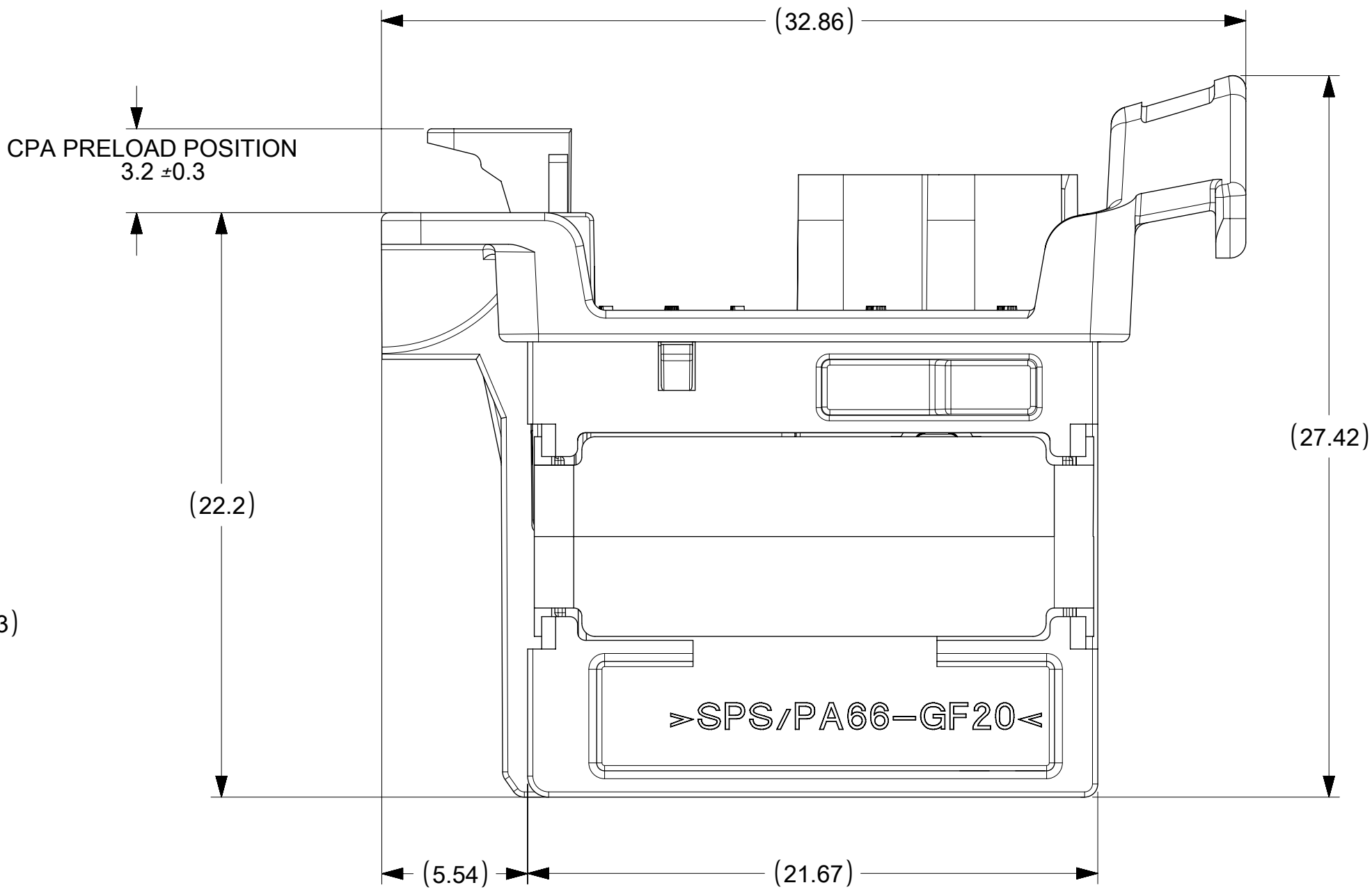
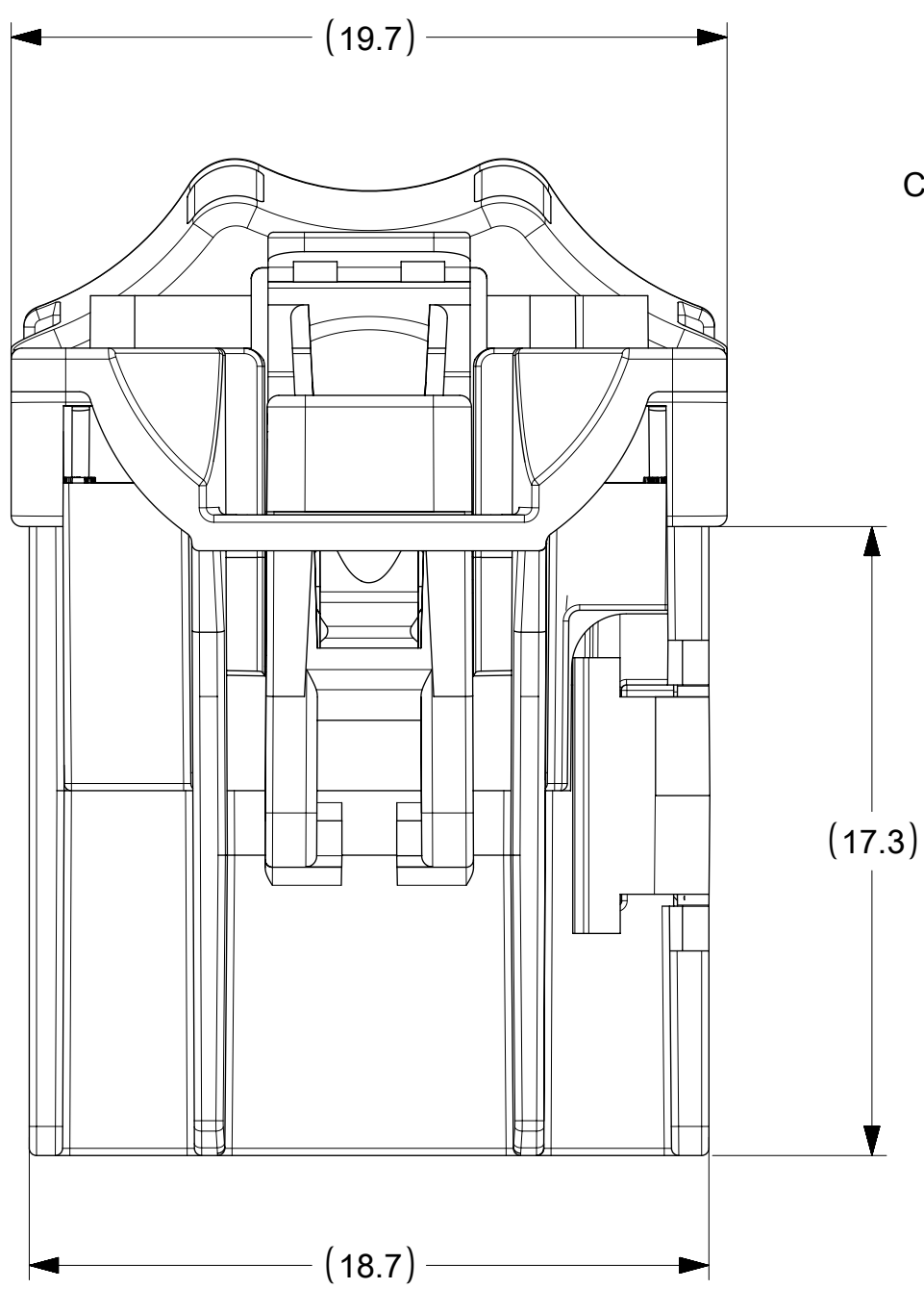
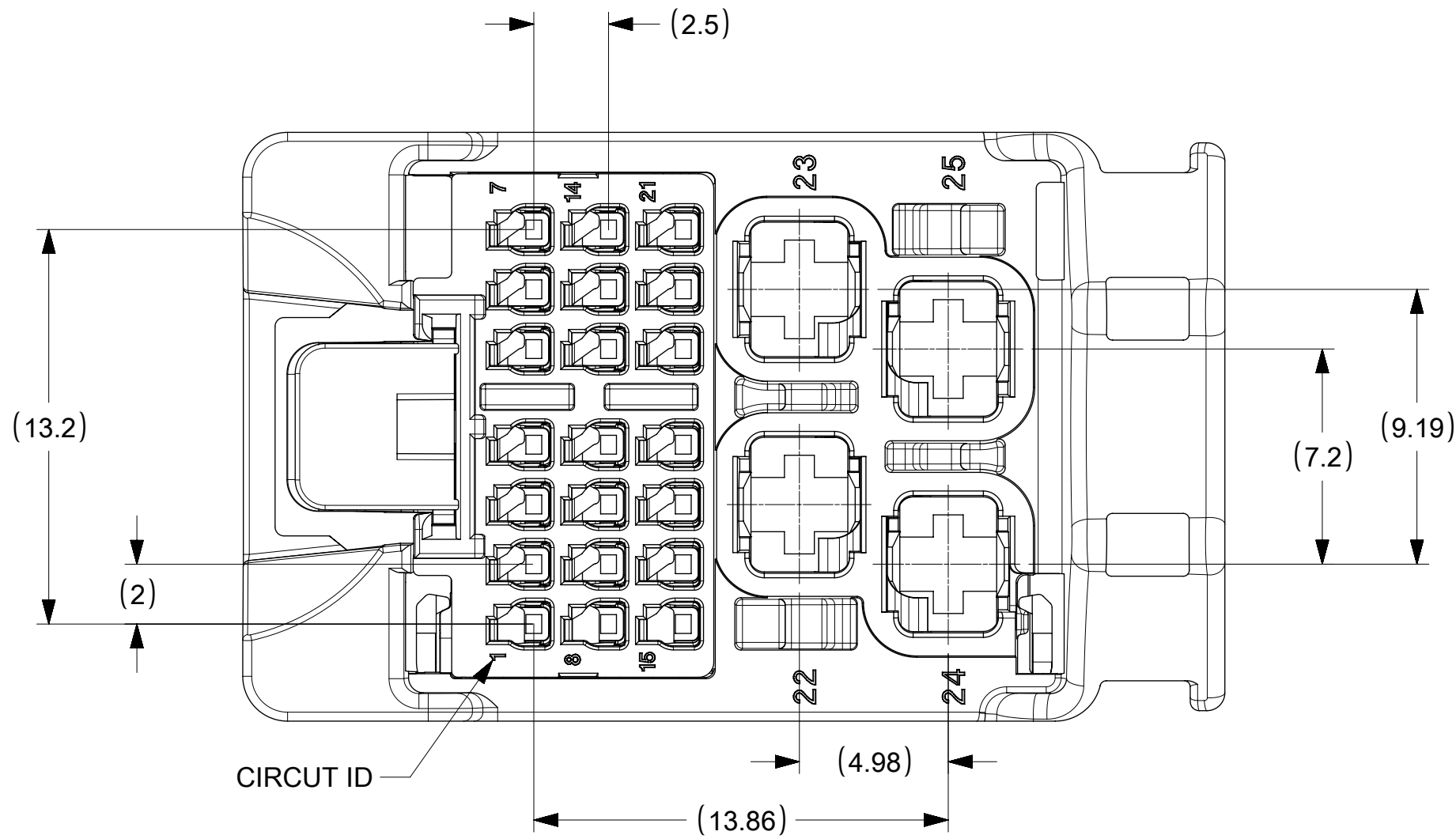




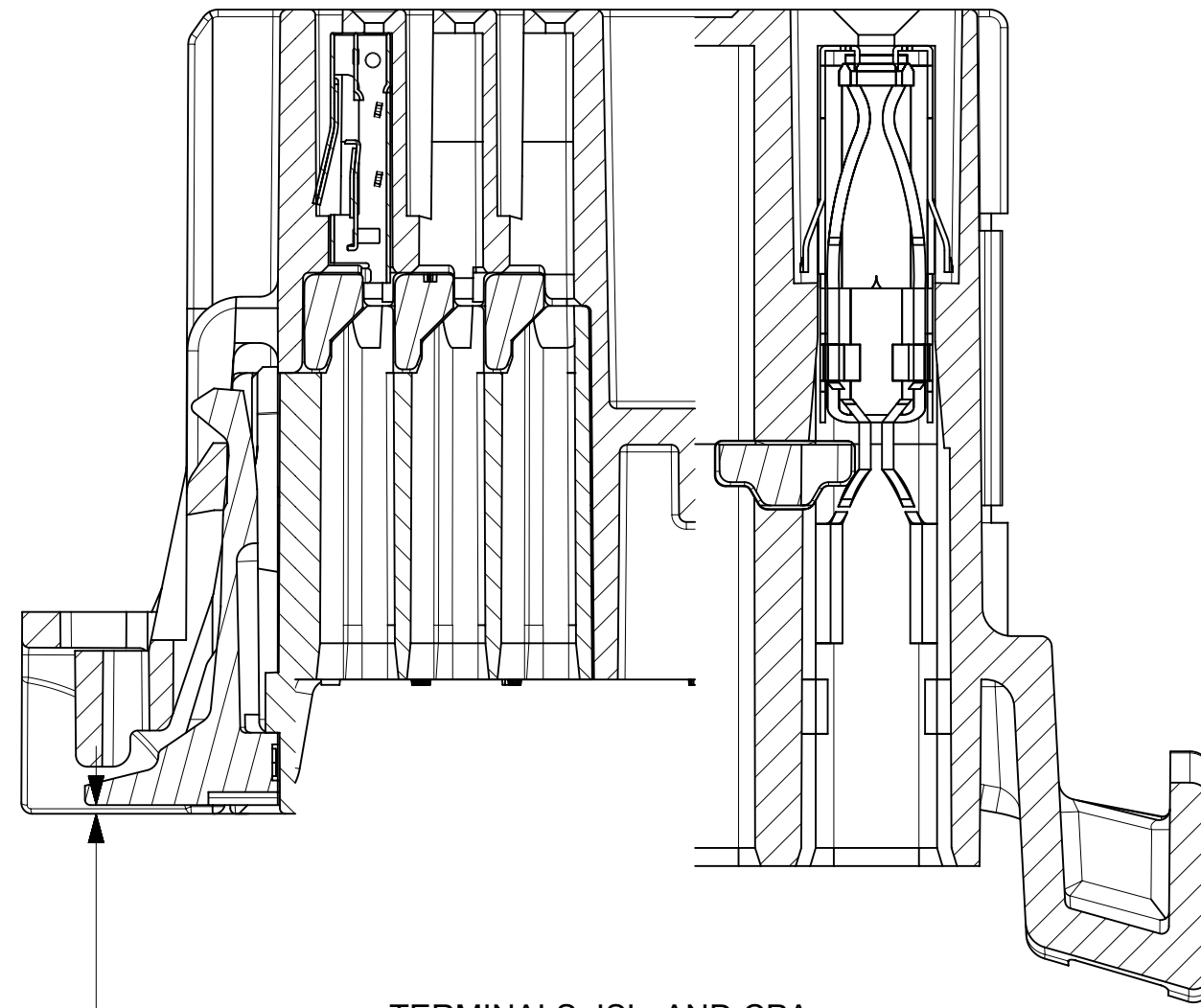
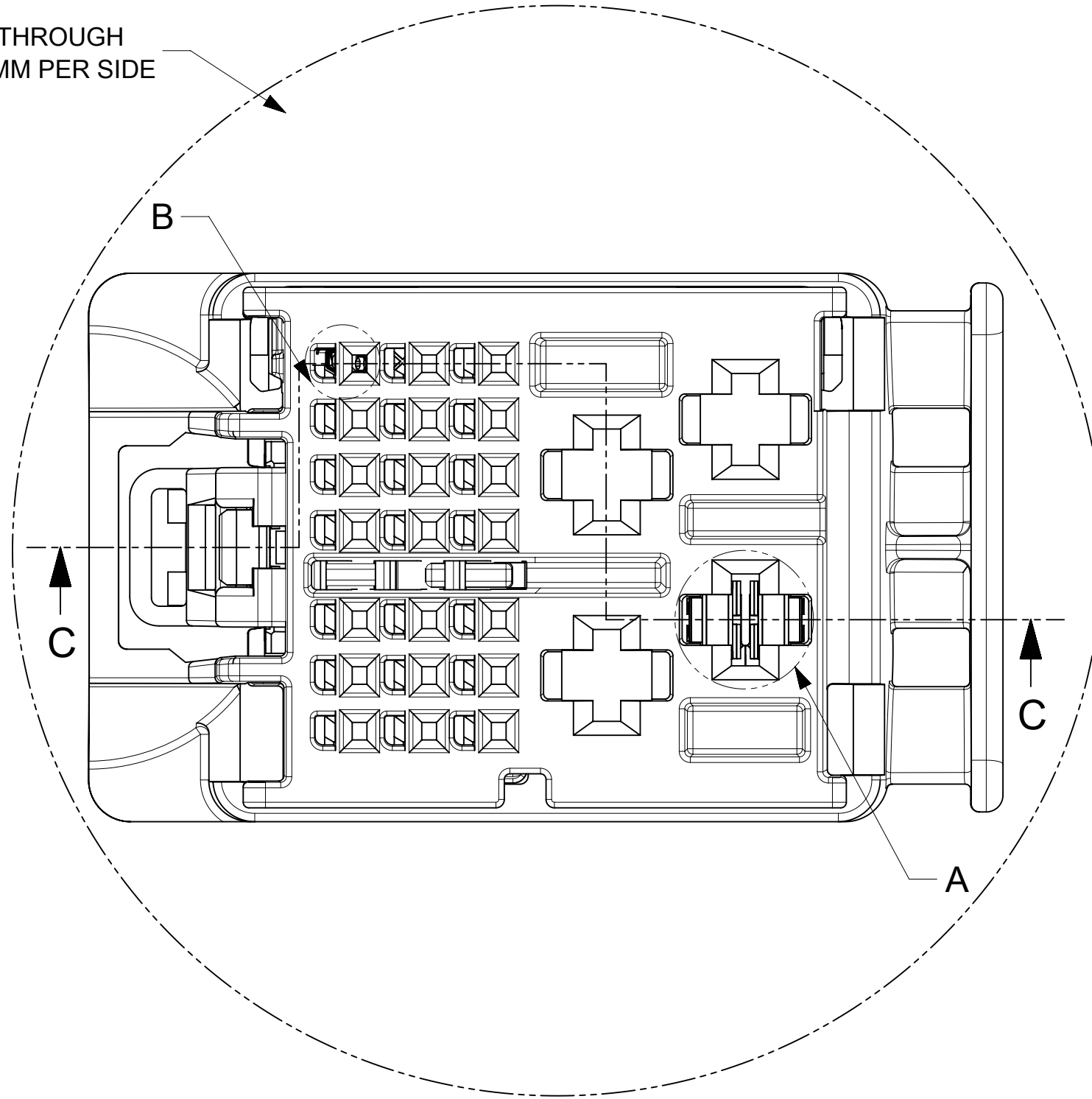
DETAIL A
SCALE 10:1



DETAIL B
SCALE 10:1



(Ø39.16) PASS THROUGH
CLEARANCE 1MM PER SIDE



SECTION C-C

LASER ETCH
DATE CODE

YYDDD
HHMMSS

1.30 ±0.30
ISL IN OPEN
POSITION

ISL IN CLOSED
POSITION

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: UPDATED 2.8 CAVITY VIEWS ON SHEET 2				molex 25WAY STAK50H HYBRID CONNECTOR ASSEMBLY					
mm		GENERAL TOLERANCES (UNLESS SPECIFIED)											
ANGULAR TOL ± 3.0 °													
		= 0		EC NO: 176550				PRODUCT CUSTOMER DRAWING					
		= 0		DRWN: JCONDON 2018/05/18									
		= 0		CHK'D: JCONDON 2018/07/26									
		= 0		ANGULAR TOL ± 3.0 °				APPR: JCONDON 2018/07/26					
		= 0		4 PLACES ±				INITIAL REVISION:					
		= 0		3 PLACES ±									
		= 0		2 PLACES ± 0.3									
		= 0		1 PLACE ± 0.3				DOCUMENT NUMBER					
		= 0		0 PLACES ± 0.3				SD-160027-0001					
		= 0		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DOC TYPE		DOC PART		REVISION	
		= 0		THIRD ANGLE PROJECTION				PSD		000		B1	
		= 0		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
		= 0				D-SIZE 160027				GENERAL MARKET		2 OF 2	

molex

25WAY STAK50H HYBRID
CONNECTOR ASSEMBLY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

SD-160027-0001

DOC TYPE

PSD

DOC PART

000

REVISION

B1

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

GENERAL MARKET

2 OF 2

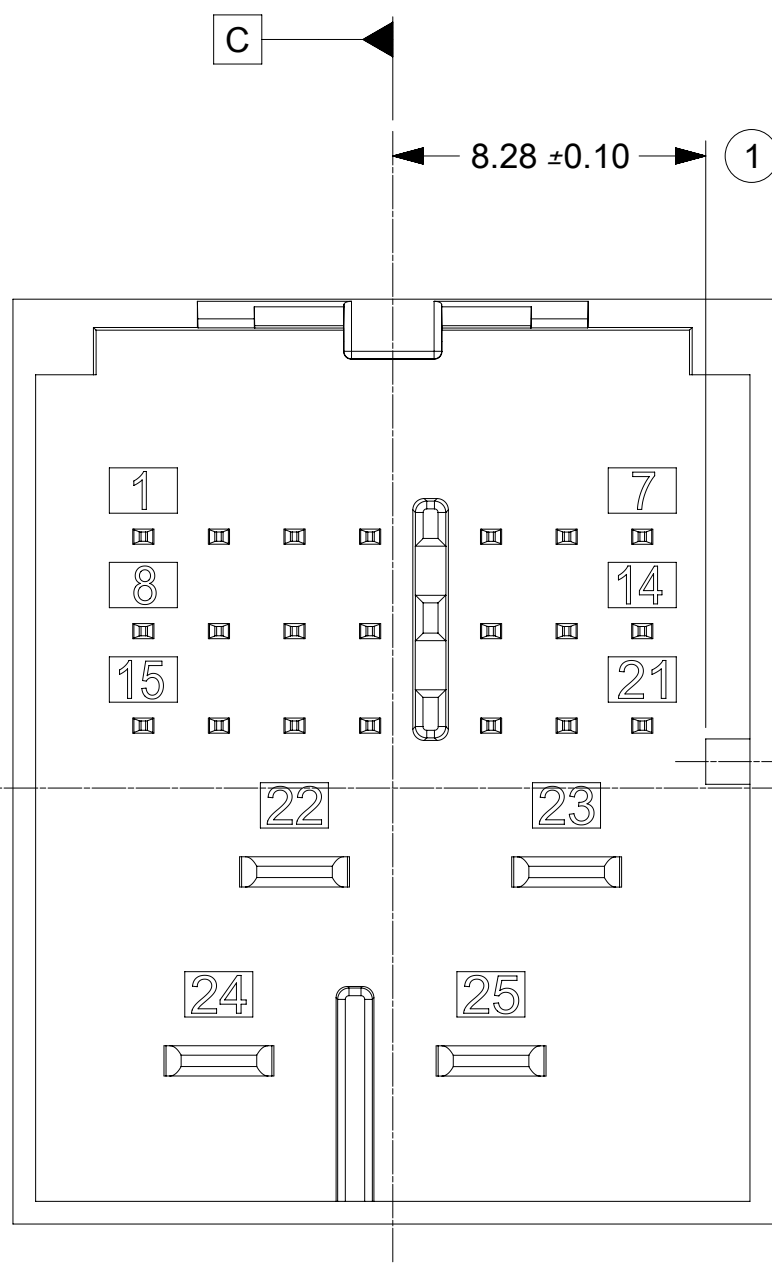
DOCUMENT STATUS

P1

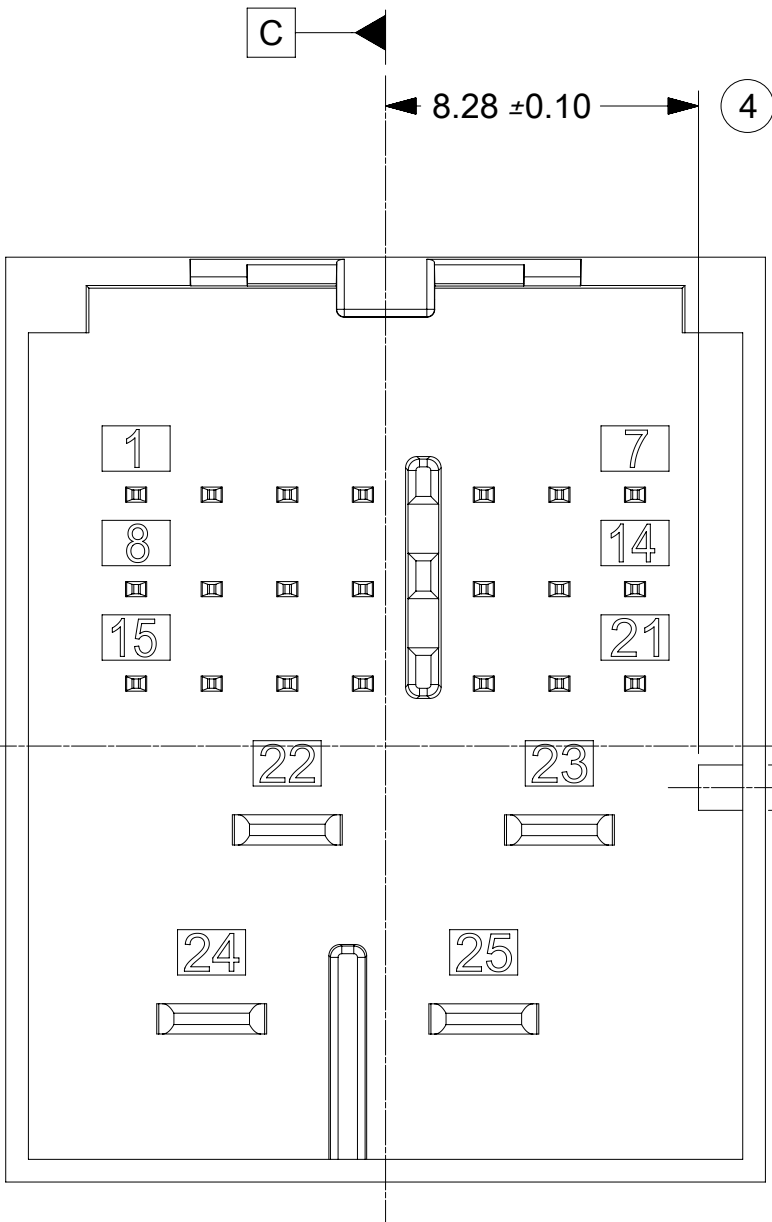
RELEASE DATE

2018/07/26

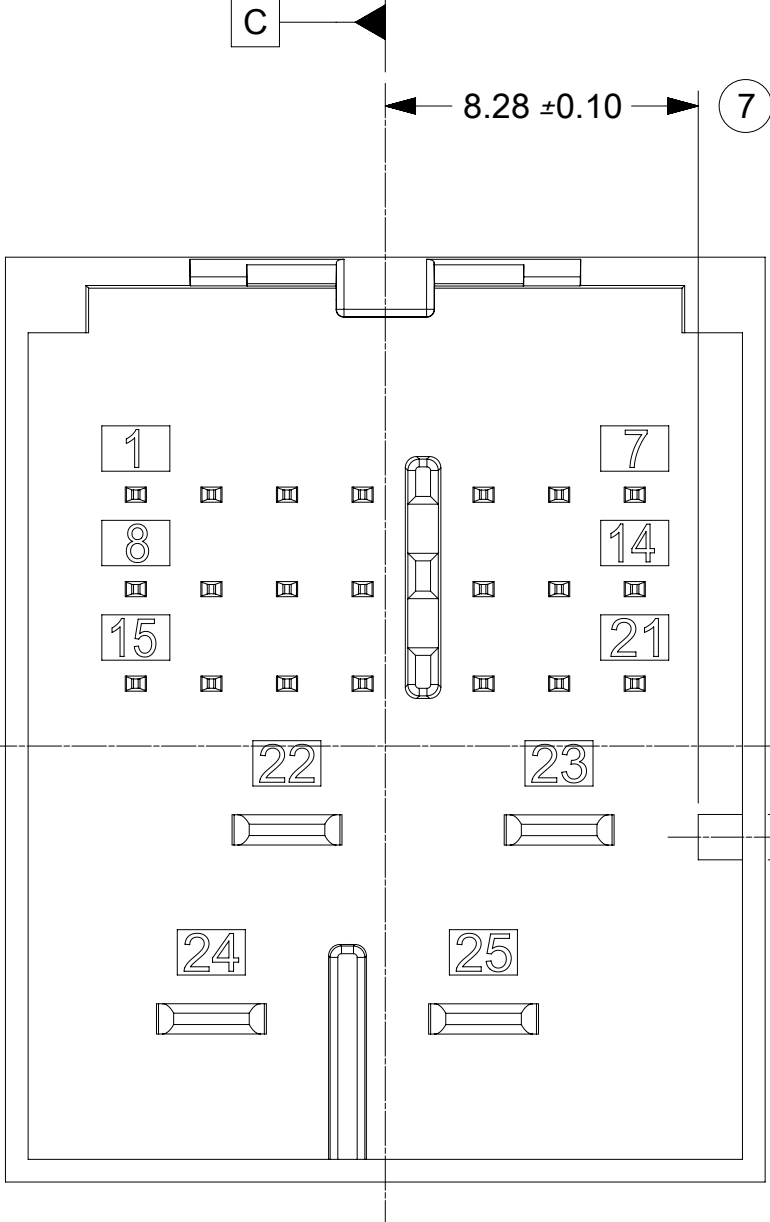
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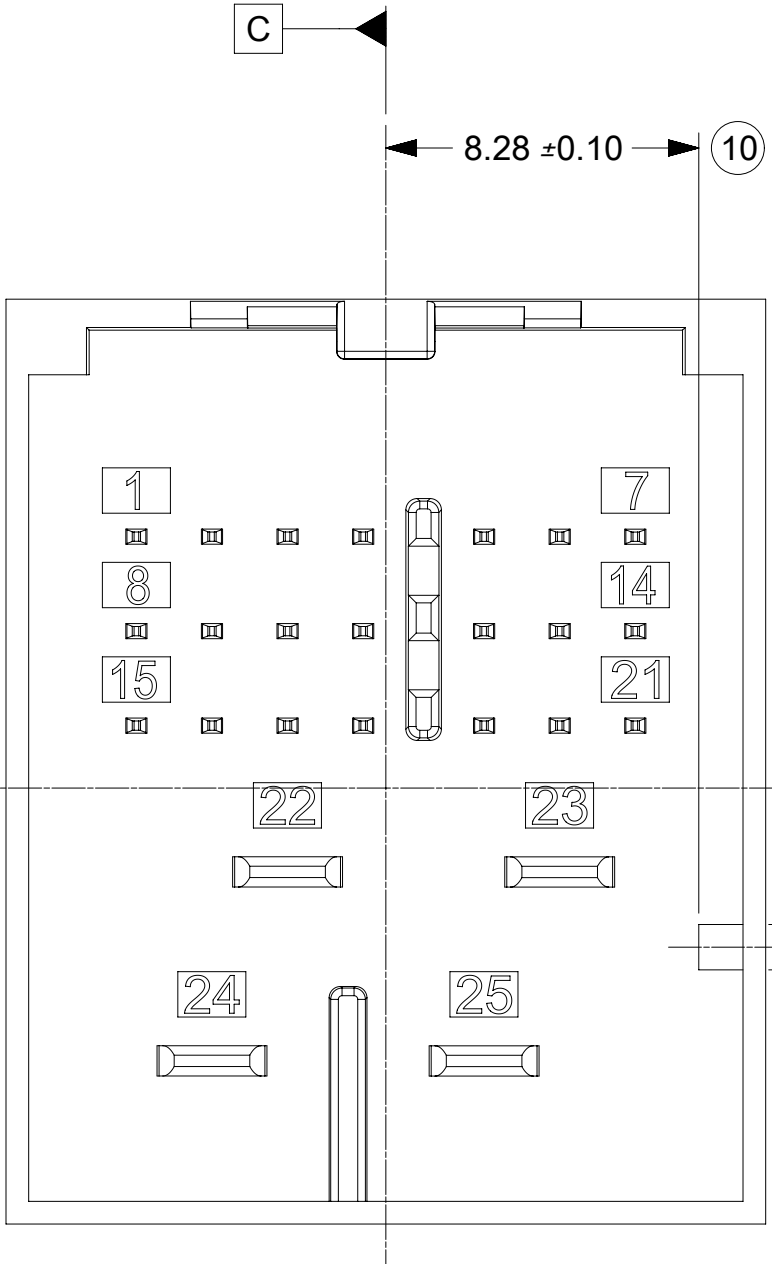
INTERFACE KEY 1 & KEY 5



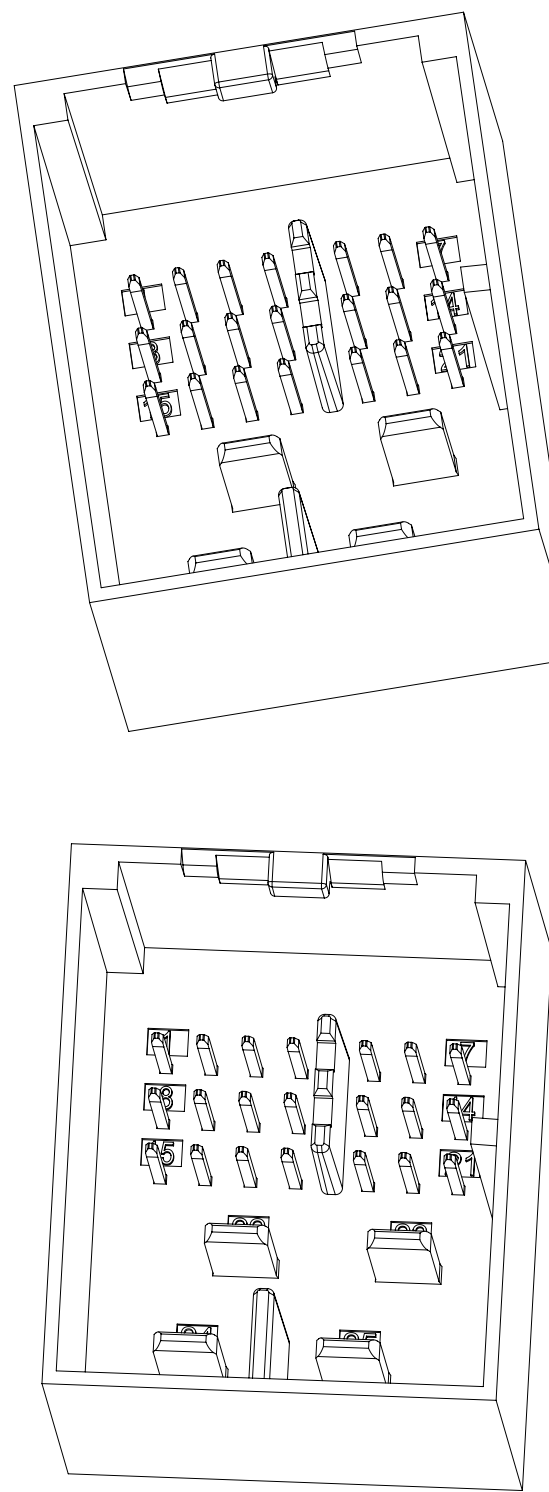
INTERFACE KEY 2 & KEY 6



INTERFACE KEY 3 & KEY 7



INTERFACE KEY 4 & KEY 8



INTERFACE OPTIONS		
KEY	RIB OPTION	MATING CONNECTOR COLOR
1	OPTION A	LIGHT GREEN B
2	OPTION A	STONE GRAY
3	OPTION A	BLACK
4	OPTION A	DARK GRAY
5	OPTION B	DARK PURPLE A
6	OPTION B	TBD
7	OPTION B	TBD
8	OPTION B	LIGHT GRAY

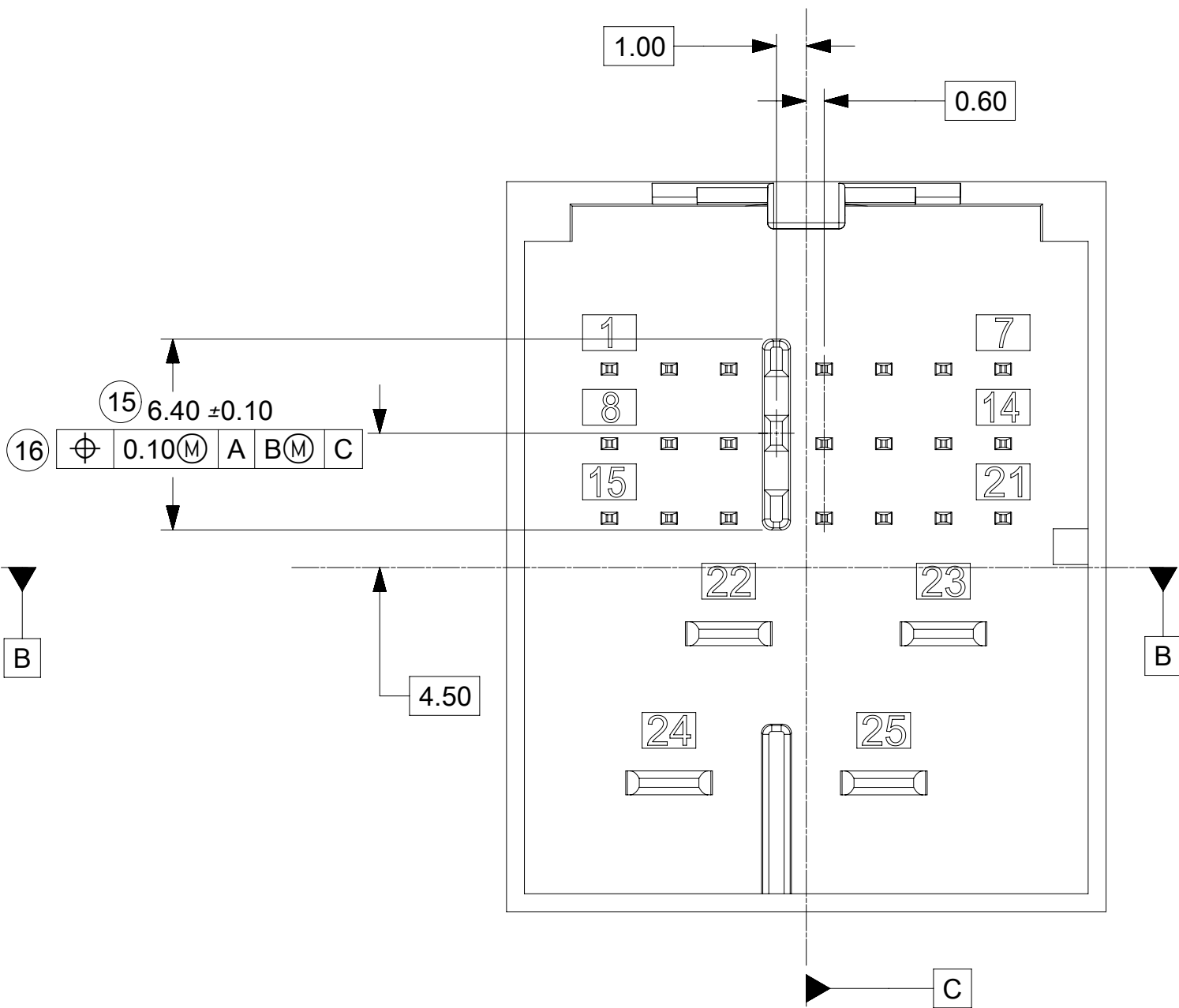
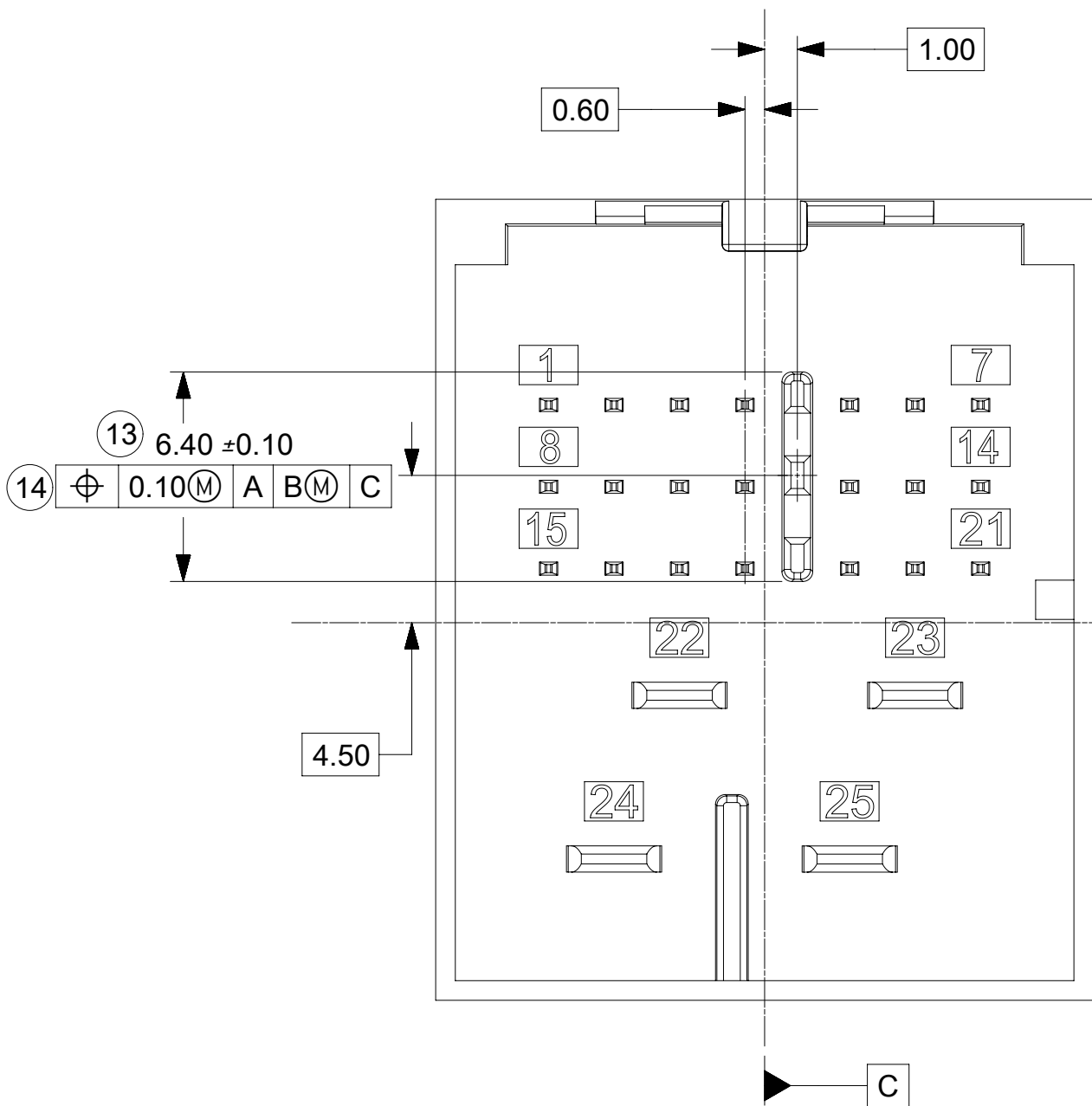
NOTES:VALID UNLESS OTHERWISE SPECIFIED

1. DESIGN - MATERIALS:
- a. RESIN MATERIAL : PBT+GF30 OR SPS+GF30 OR EQUIVALENT
 - b. PIN/BLADE MATERIAL : ACCORDING TO USCAR DRAWING EWCAP-001 NOTE B2
 - c. PLATING: ACCORDING TO USCAR DRAWING EWCAP-001 TIN REFLOW WITH UNDERPLATE
 - d. PIN TIPS ACCORDING TO USCAR DRAWING EWCAP-001 (050-T001 & 280-T001)
 - e. DEVIATION TO EWCAP-001 ACCEPTABLE IF PERFORMANCE (ELECTRICAL/MECHANICAL) IS SHOWN TO BE EQUAL OR BETTER AS REQUIRED BY VALIDATION TESTING.
 - Ⓒ 1. DEVIATION TO TIN PLATING THICKNESS AS NECESSARY TO MEET MATING FORCE AND ALL VALIDATION REQUIREMENTS
2. DRAWING - GEOMETRY:
- a. ALL GRAPHIC DATA IS BASIC (NO TOLERANCE) AND MUST BE TAKEN FROM THE DATA FILE AT ITS LATEST REVISION.
 - b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M-2009.
 - c. GENERAL TOLERANCES:
LINEAR : PER DIN 16901 LINEAR CODE B FOR PRECISION ENGINEERING
ANGULAR : ±3°
 - d. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
 - e. CORNERS SHOW AS SHARP TO BE R 0.2 MAX.
 - f. LETTERS SHALL BE 0.2 MAX RAISED IN 0.25 MAX RECESSED PAD.
THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER.
3. DESIGN - MANUFACTURING:
- a. DRAFT TO BE WITHIN TOLERANCE.

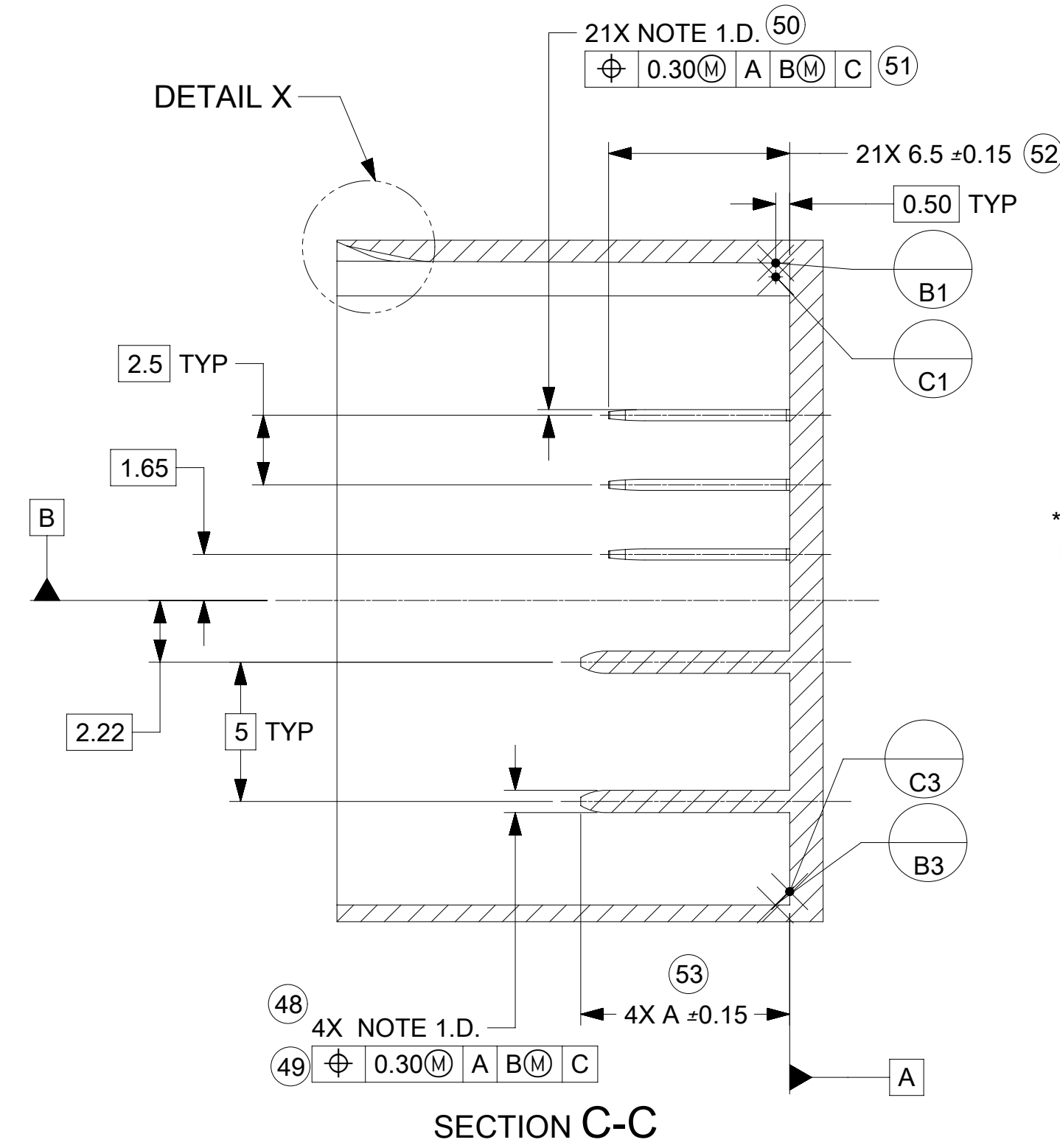
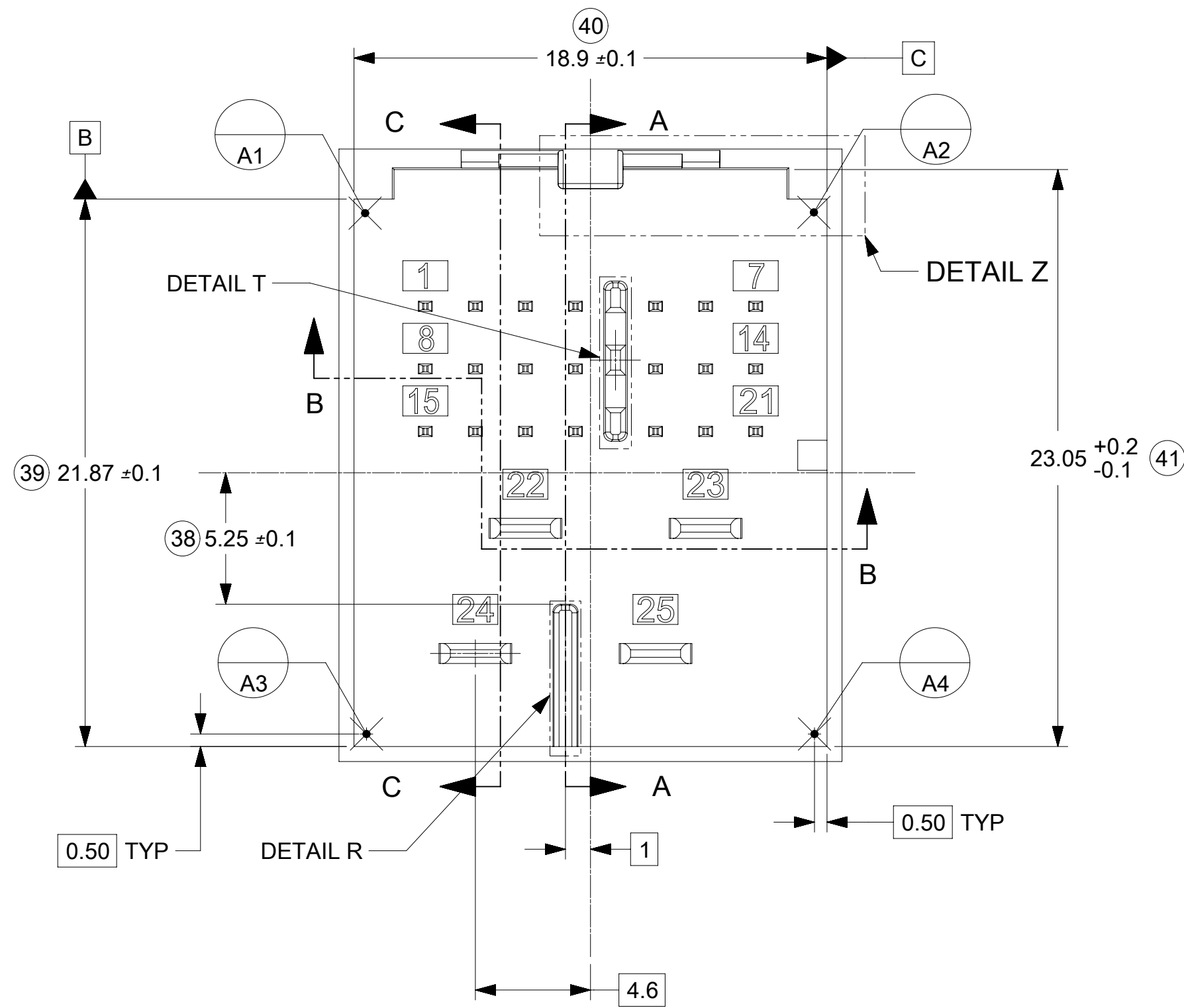
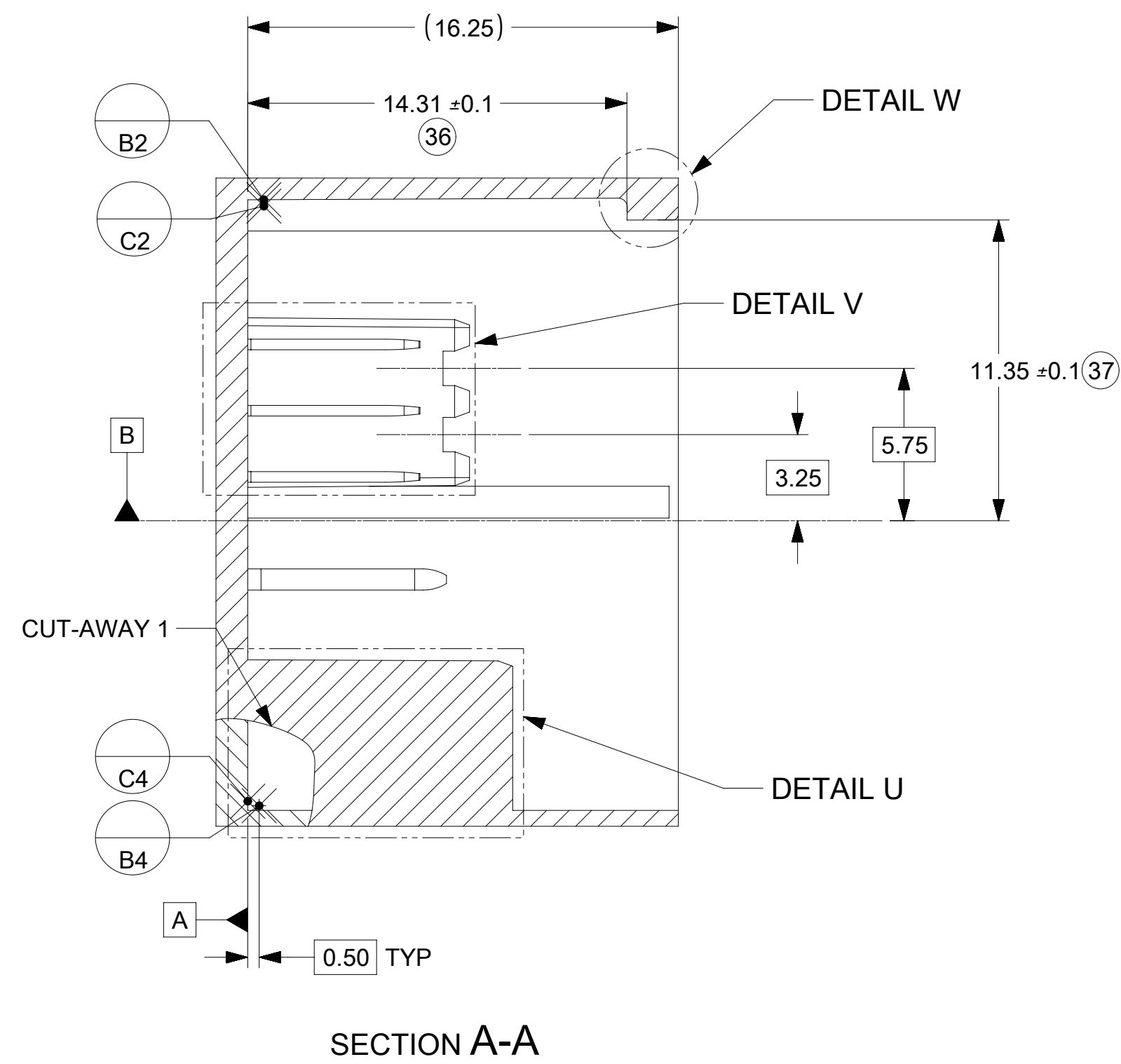
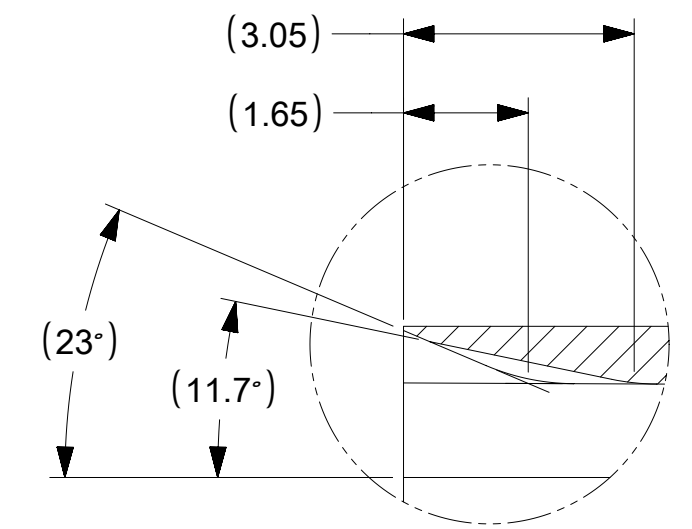
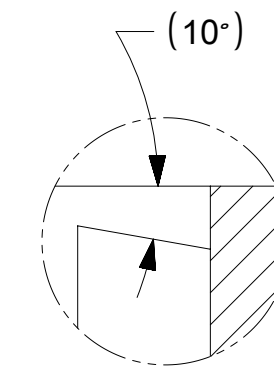
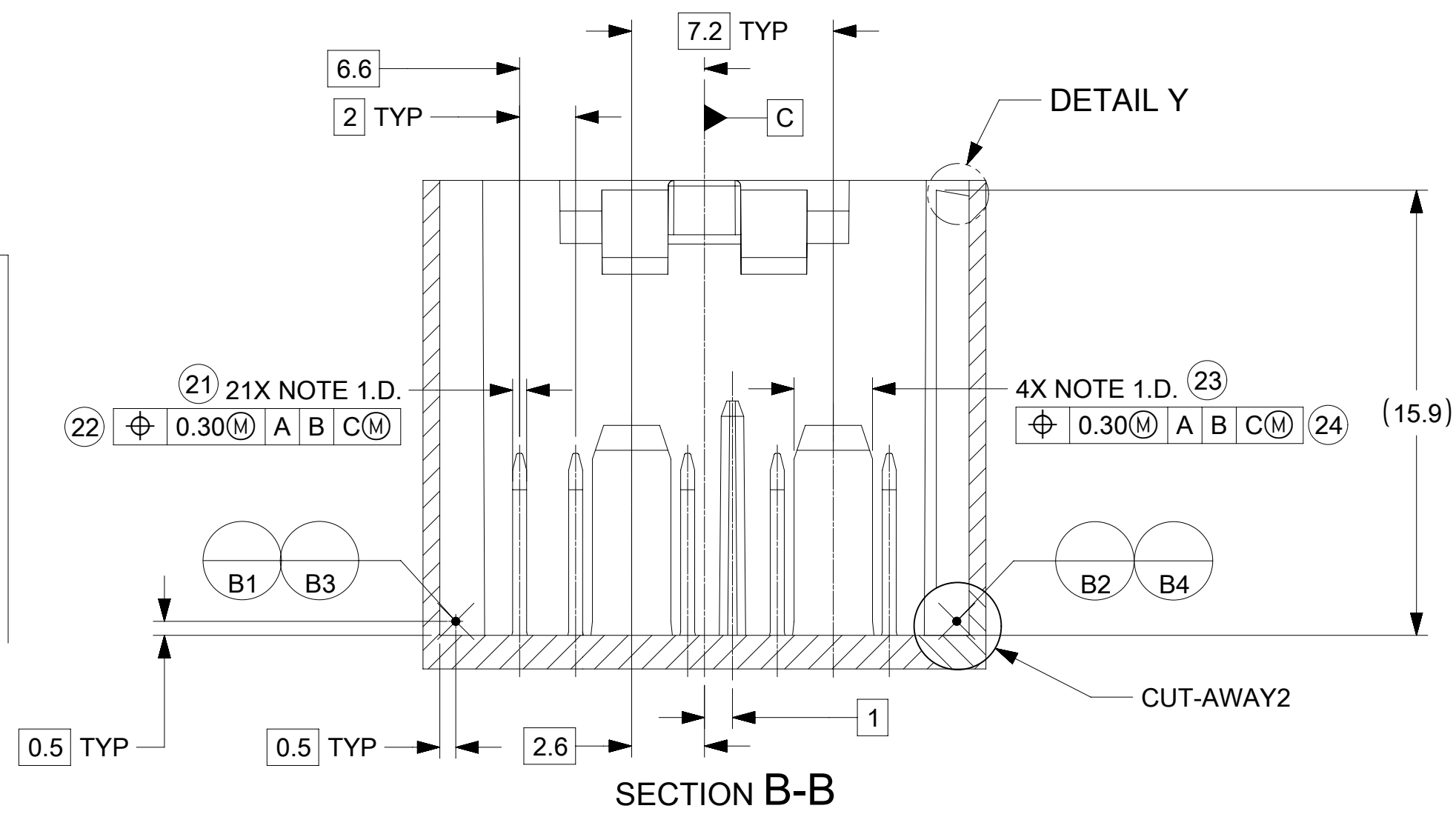
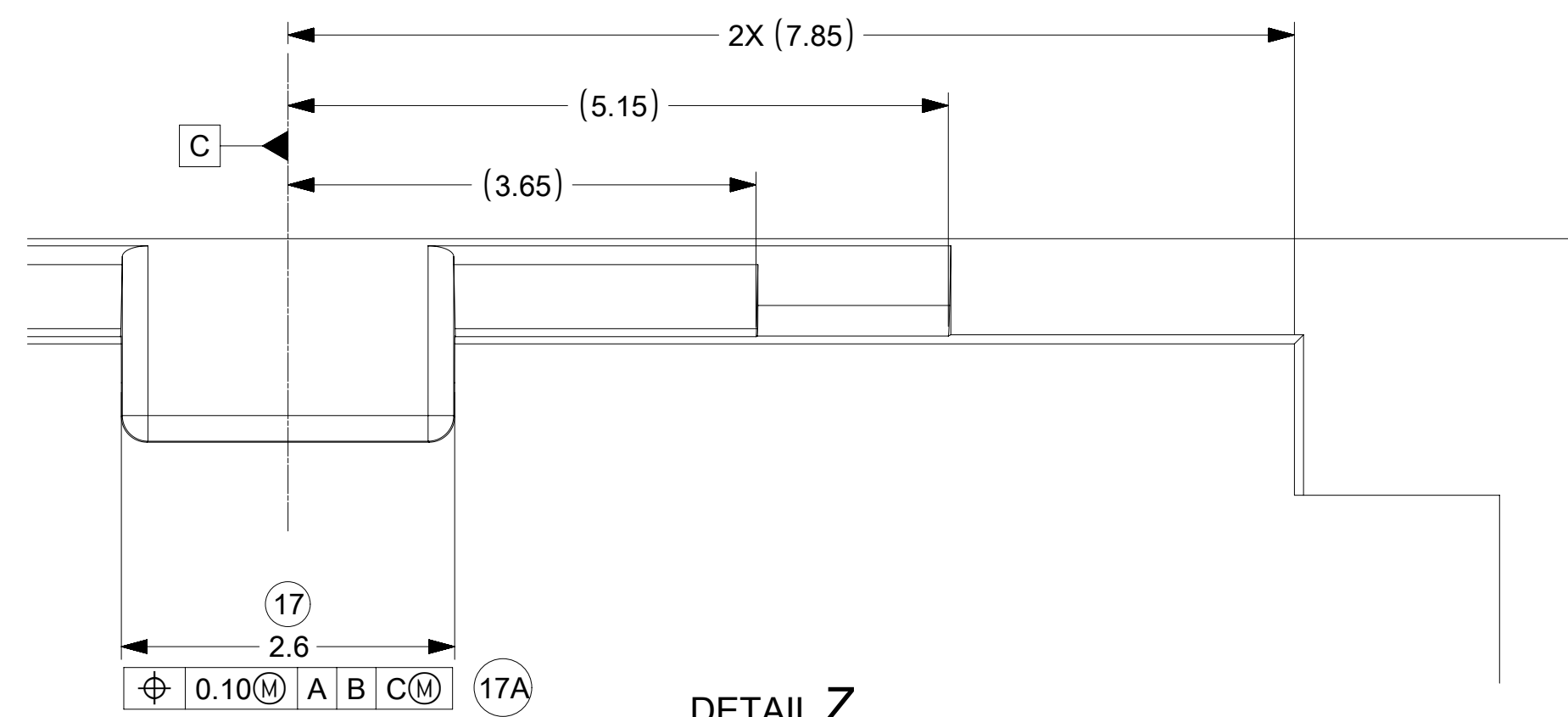
C	ADDED 2.8MM BLADE LENGTH VARIANT FOR MATE FORCE REQUIREMENT ADDED NOTE 1.E.1 CHANGE RECORD: 626144 JPATE 10/22/2019
B1	ADDED BALLOONS JCONDON 08/02/2018
B	REMOVED 0.2MM FROM CONNECTOR LOCK TAB FEATURE
A2	ADDED CIRCUIT IDs
A1	ADDED NOTE 1e, MKOWALSKY 7/7/2017
8	GEOMETRY UPDATED , SPEMMARAJU 02/18/2016
7	UUAU2016-1146 SAP # 10681629 JCONDON 03/25/2015

RIB OPTION A

RIB OPTION B

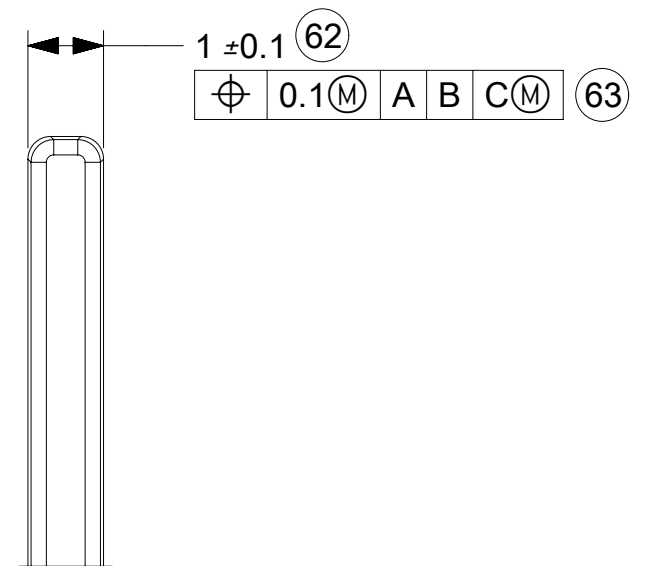
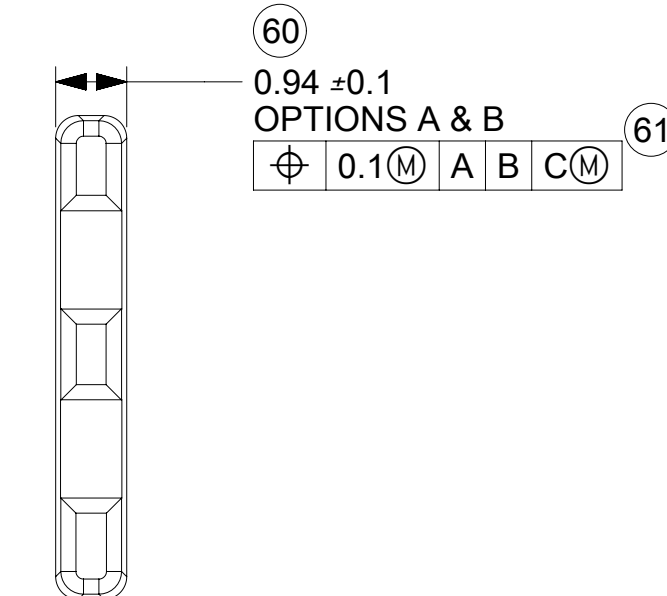
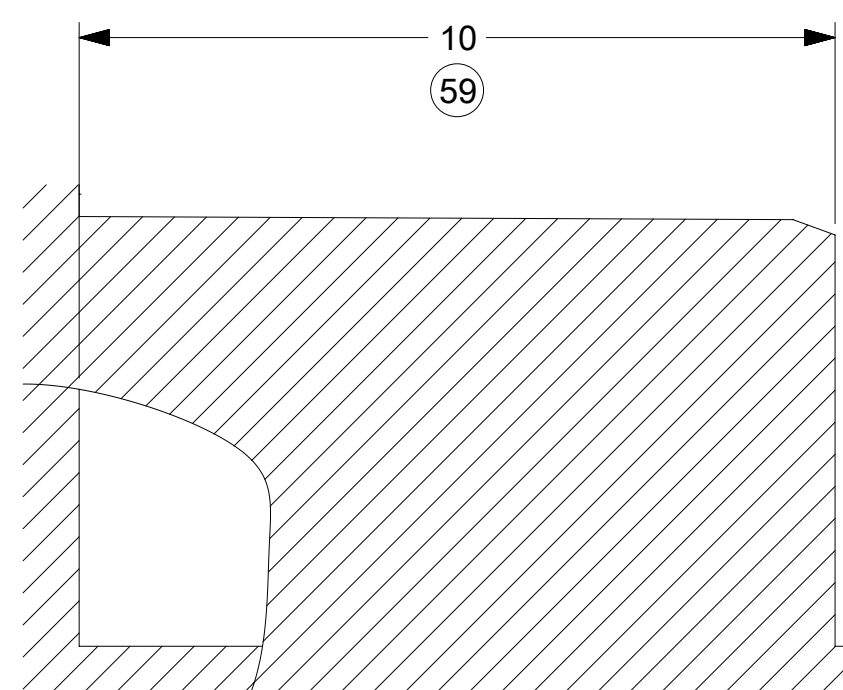
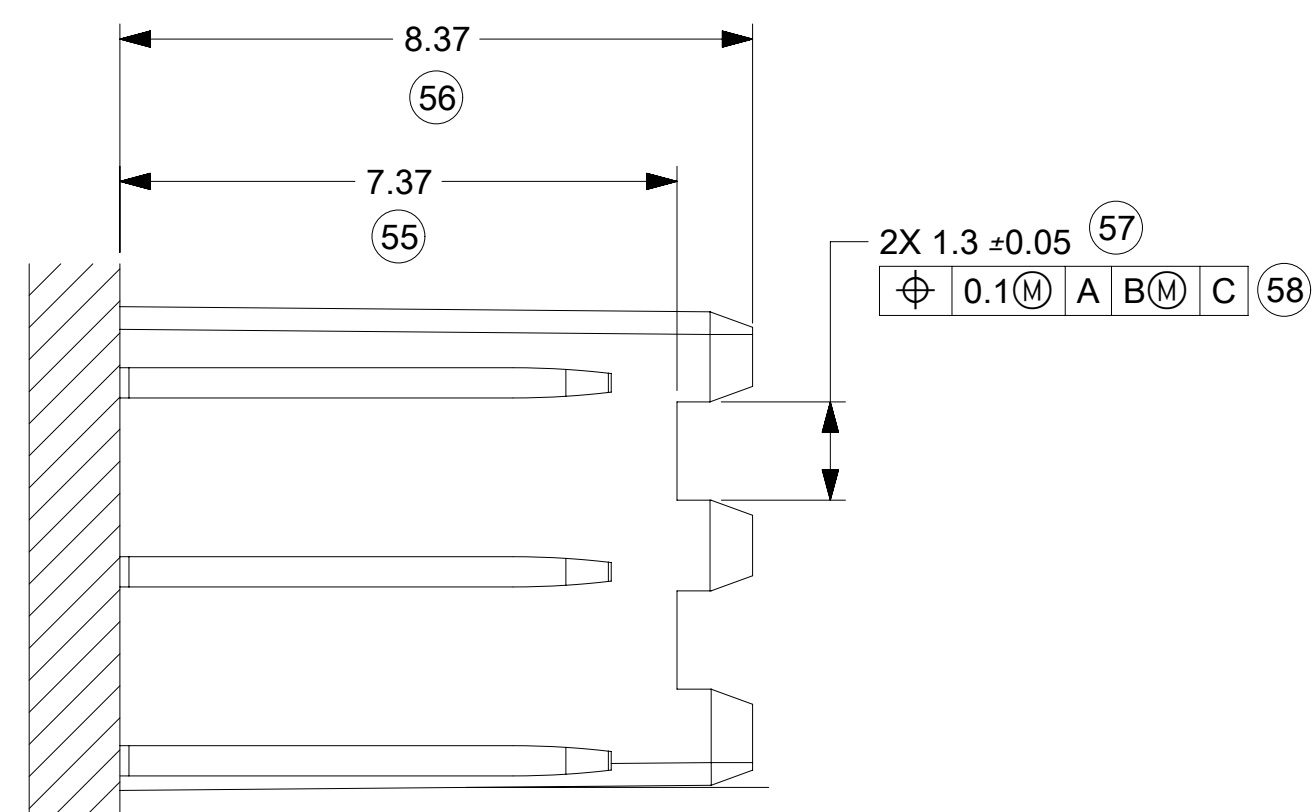
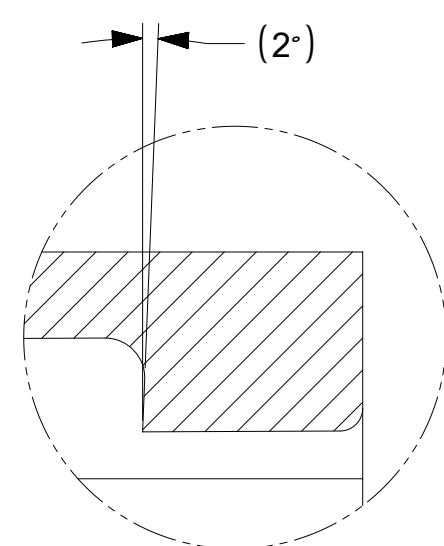


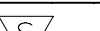
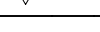
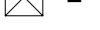
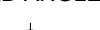
SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: ADDED 2.8MM BLADE LENGTH VARIANT FOR MATE FORCE REQUIREMENT ADDED NOTE 1.E.1			molex		
	DIMENSION UNITS	SCALE						
▽ = 0	mm		GENERAL TOLERANCES (UNLESS SPECIFIED)			EC NO: 626144 DRWN: JCONDON 2019/09/19 CHK'D: DLANGOLF 2019/10/22 APPR: JCONDON 2019/10/23		
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▽ = 0	ANGULAR TOL	± °	INITIAL REVISION:			PRODUCT CUSTOMER DRAWING		
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▽ = 0	3 PLACES	±	DRWN: SPEMMARAJU 2015/11/03 APPR: KDEKOSKI 2016/03/24			DOCUMENT NUMBER SD-160027-002		
▽ = 0	2 PLACES	±						
▽ = 0	1 PLACE	±	THIRD ANGLE PROJECTION			DOC TYPE DOC PART REVISION PSD 000 C		
▽ = 0	0 PLACES	±						
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING D-SIZE			MATERIAL NUMBER 160027		
▽ = 0								
DOCUMENT STATUS			P1			RELEASE DATE		
2019/10/23			15:15:03			GENERAL MARKET		
1 OF 3								

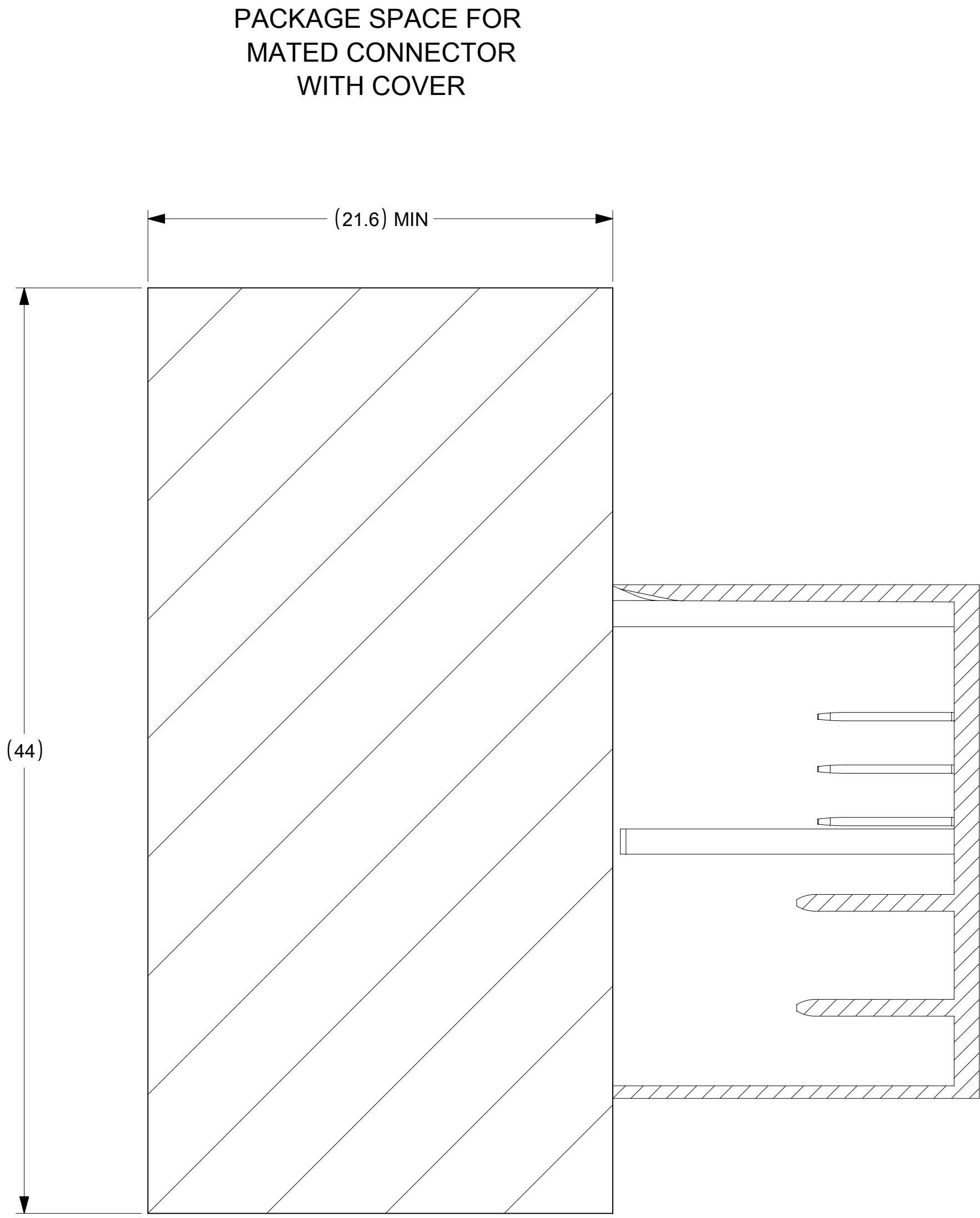
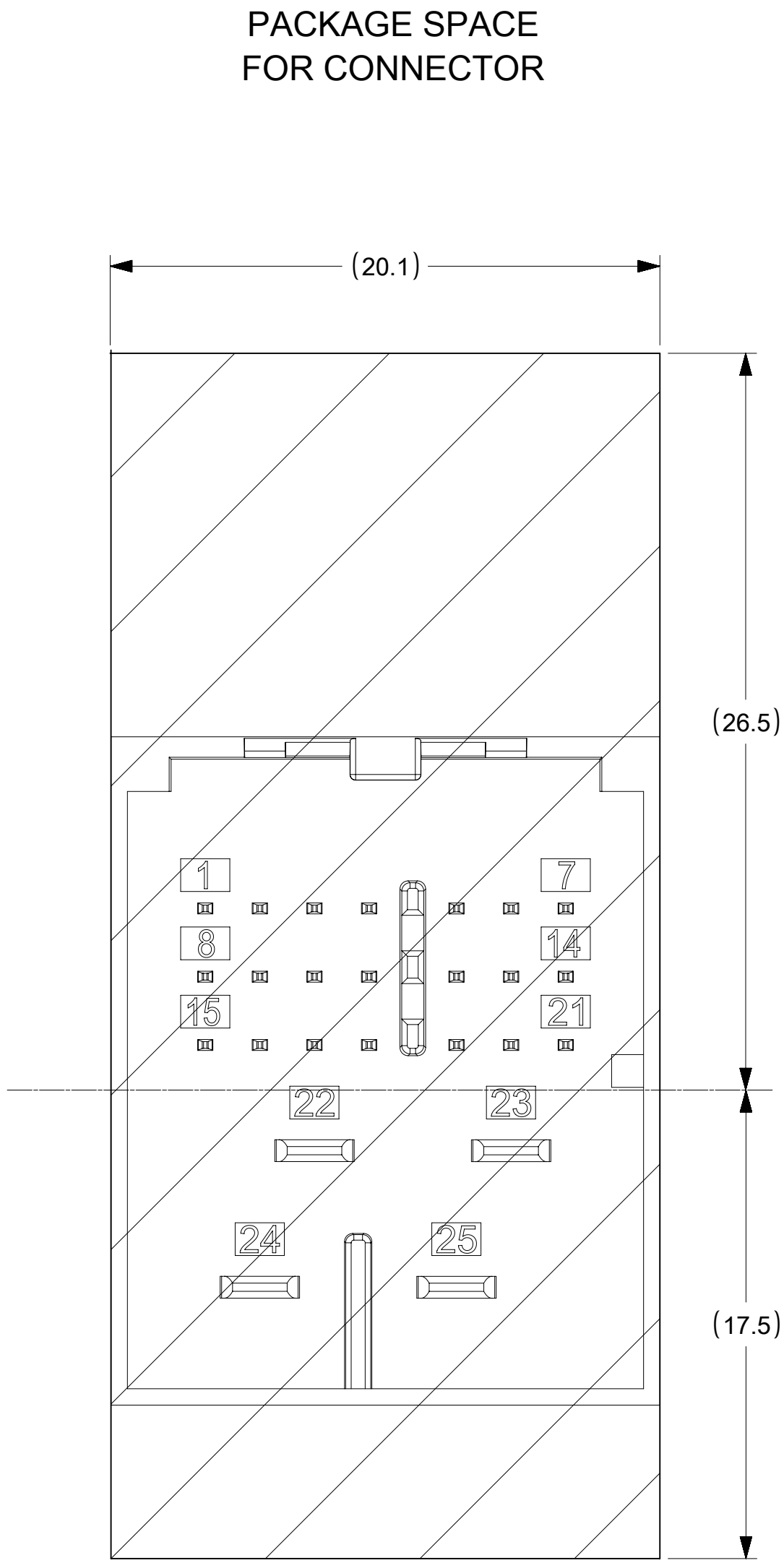
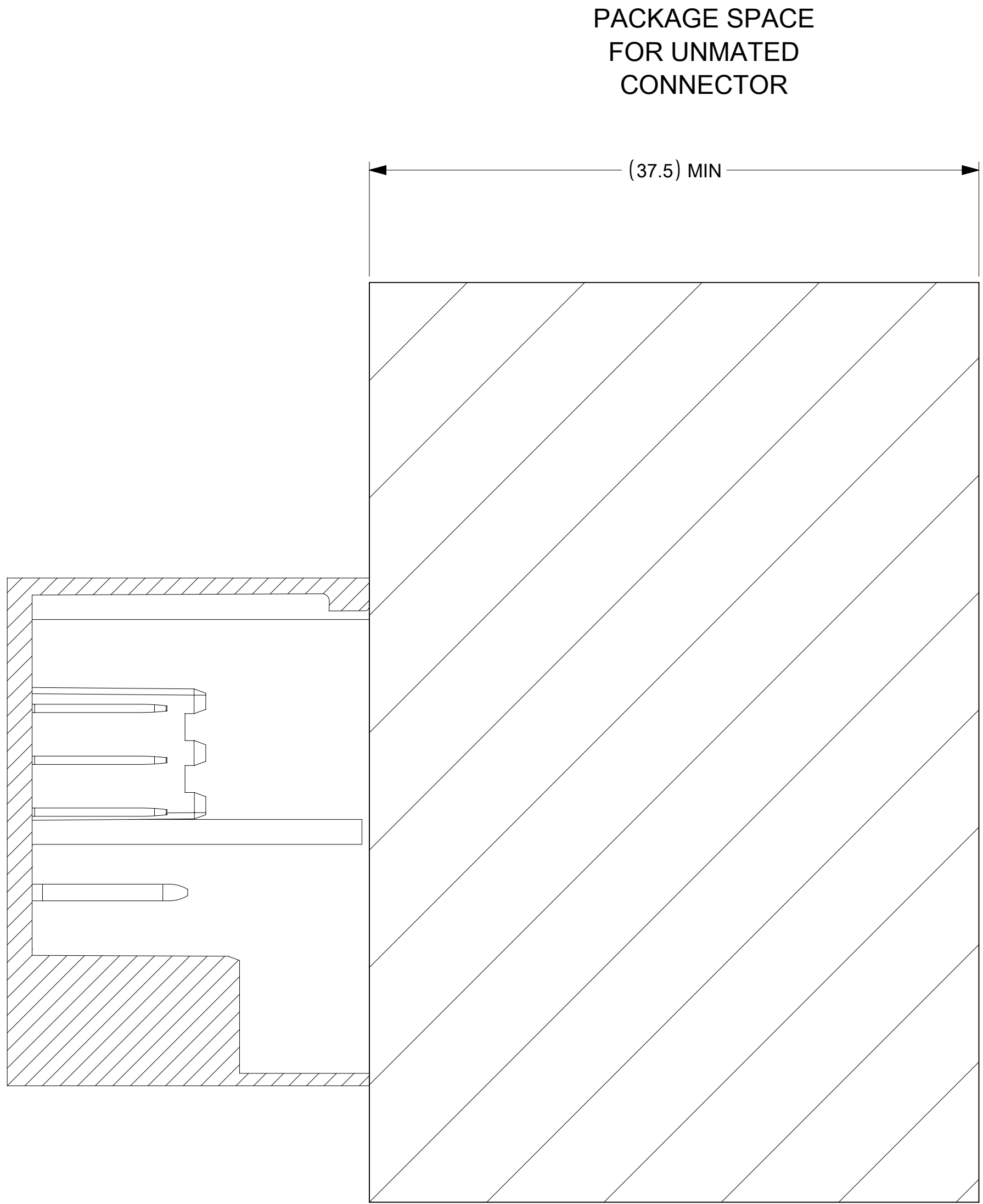


CONSTRUCTION	DIM. A (mm)	STATUS
OPTION A	7.5	REVISION B
OPTION B	6.5	REVISION C

*OPTION B IS THE PREFERRED CONSTRUCTION
FOR ALL NEW HEADERS



SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			
 = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC: ADDED 2.8MM BLADE LENGTH VARIANT FOR MATE FORCE REQUIREMENT ADDED NOTE 1.E.1			molex												
	mm																			
 = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				25WAY STAK50H INTERFACE DRAWING															
 = 0																				
 = 0	ANGULAR TOL ± °				EC NO: 626144															
 = 0	4 PLACES		±		DRWN: JCONDON			2019/09/19			PRODUCT CUSTOMER DRAWING									
 = 0	3 PLACES		±		CHK'D: DLANGOLF			2019/10/22												
 = 0	2 PLACES		±		APPR: JCONDON			2019/10/23												
 = 0	1 PLACE				±		INITIAL REVISION:			DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION				
 = 0	0 PLACES				±		DRWN: SPEMMARAJU			2015/11/03			SD-160027-002		PSD		000		C	
 = 0	0 PLACES				±		APPR: KDEKOSKI			2016/03/24			MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
 = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES											
 = 0							D-SIZE		160027				GENERAL MARKET		2 OF 3					



SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
</										