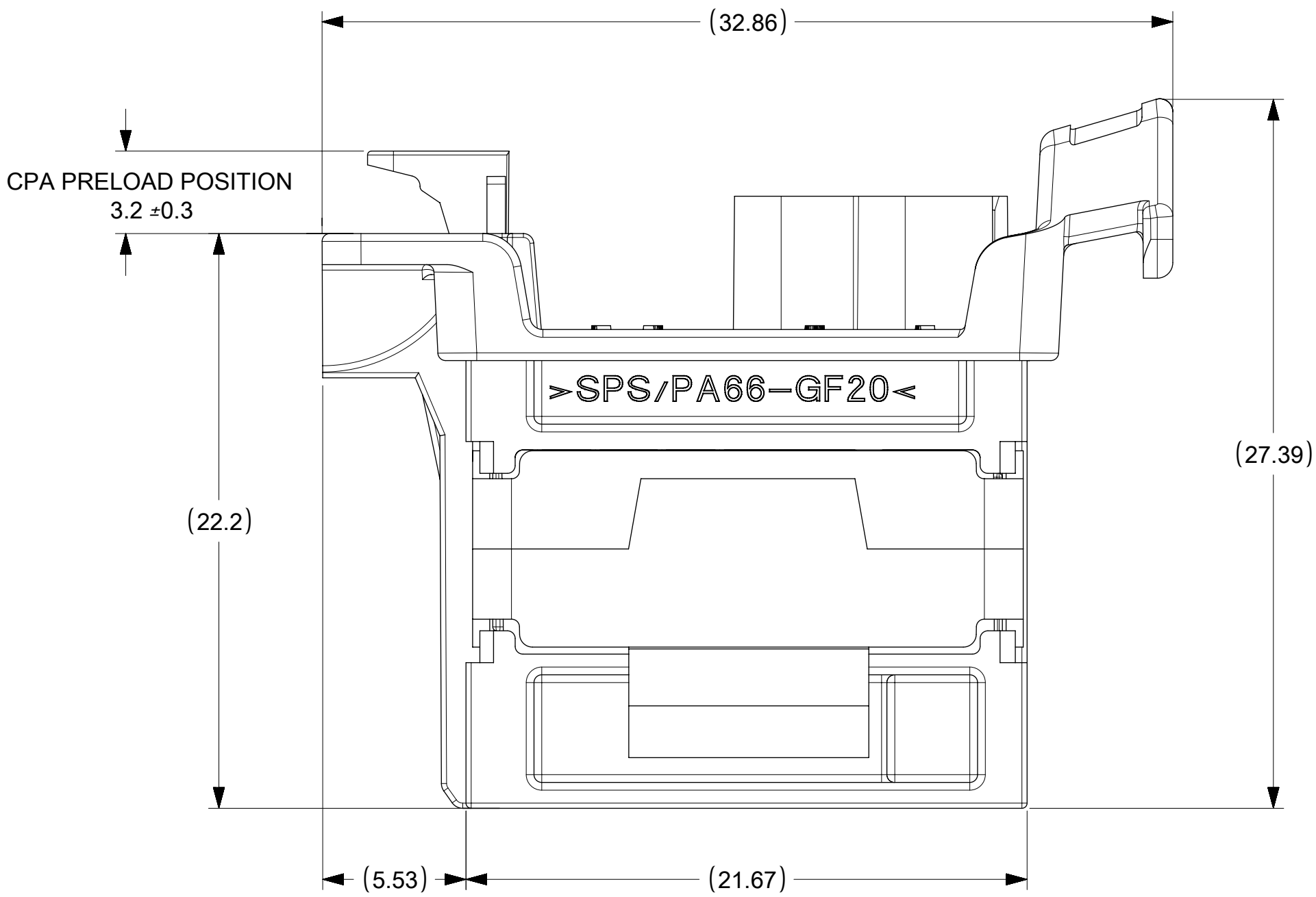
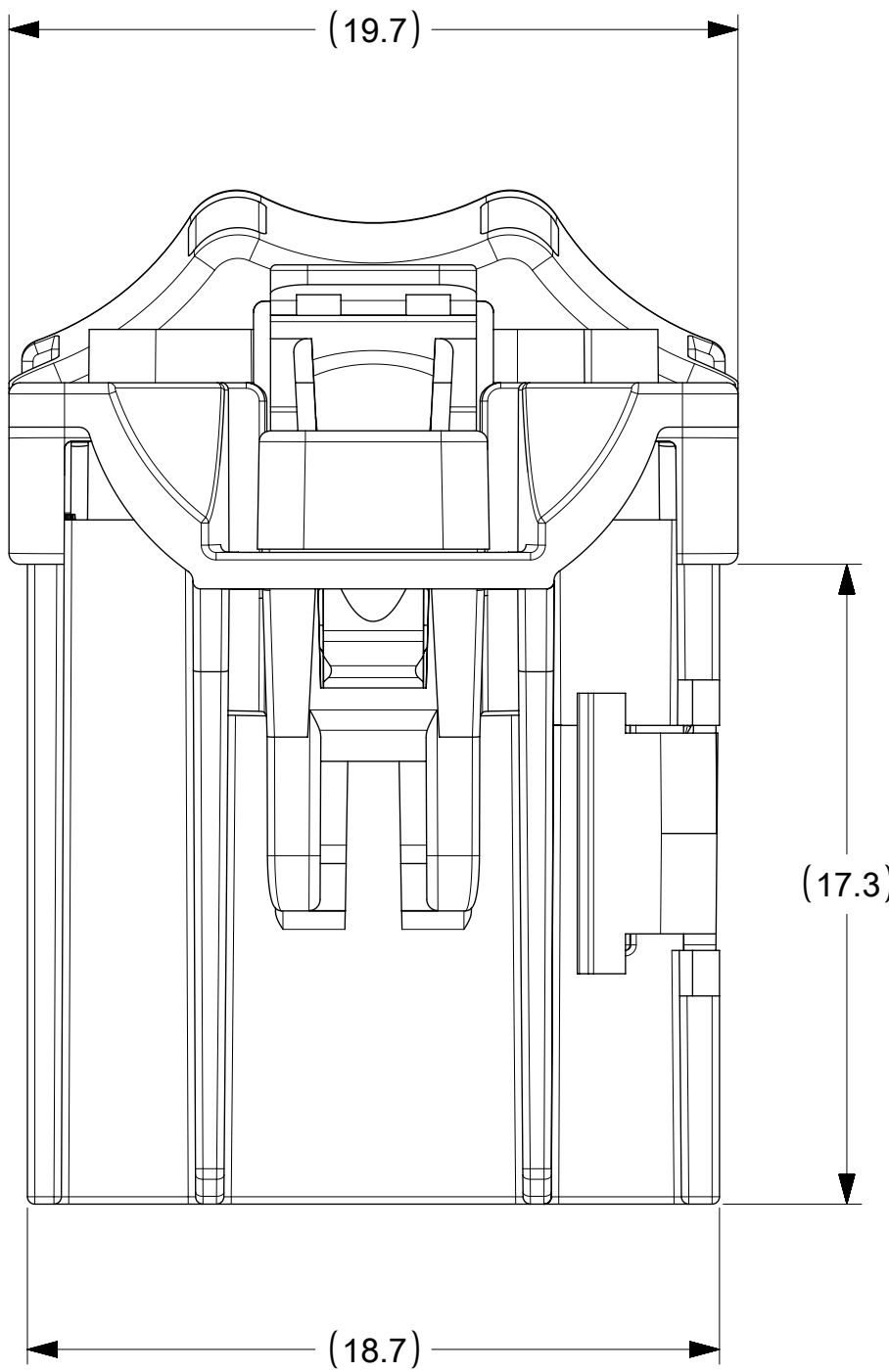
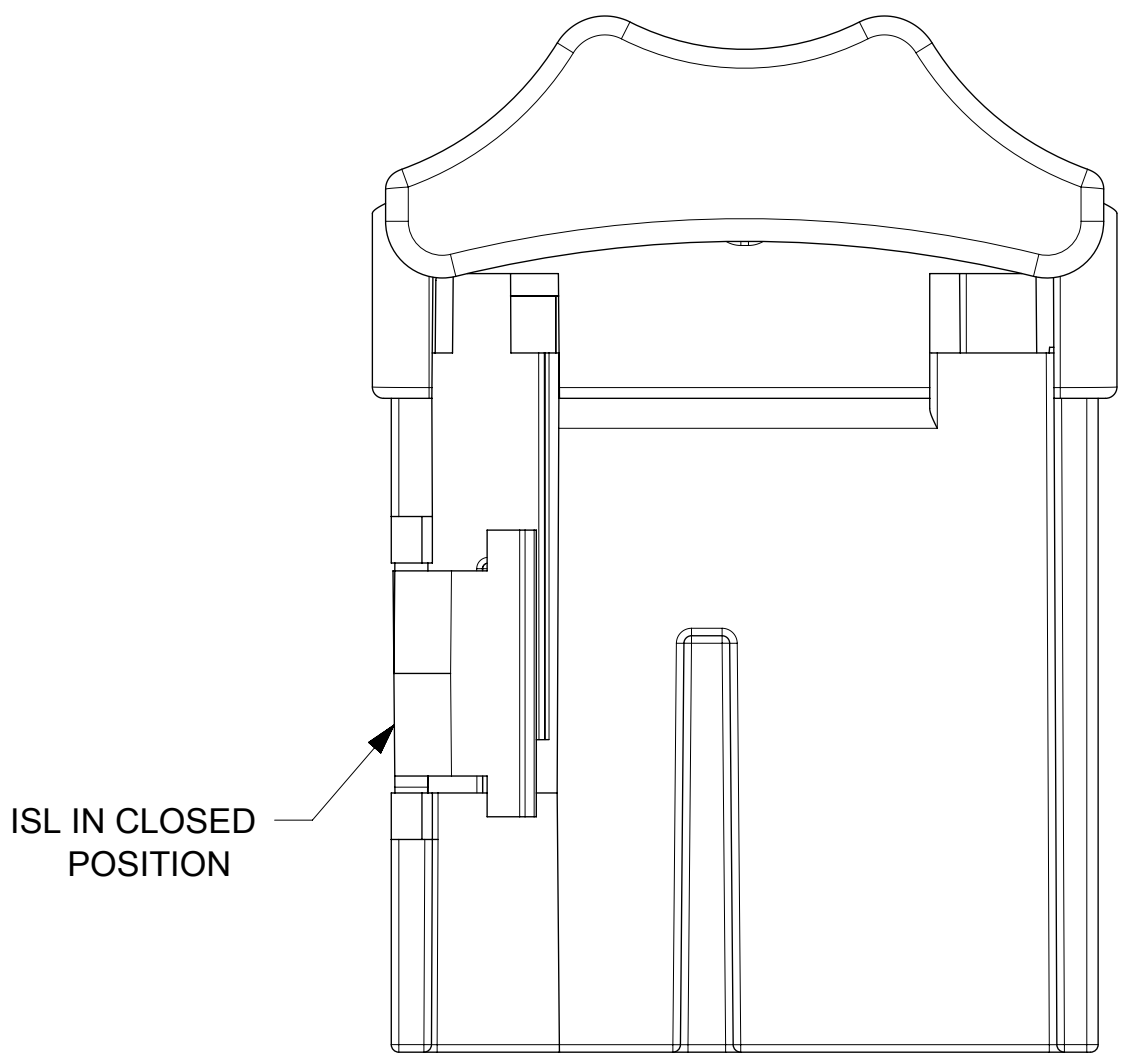
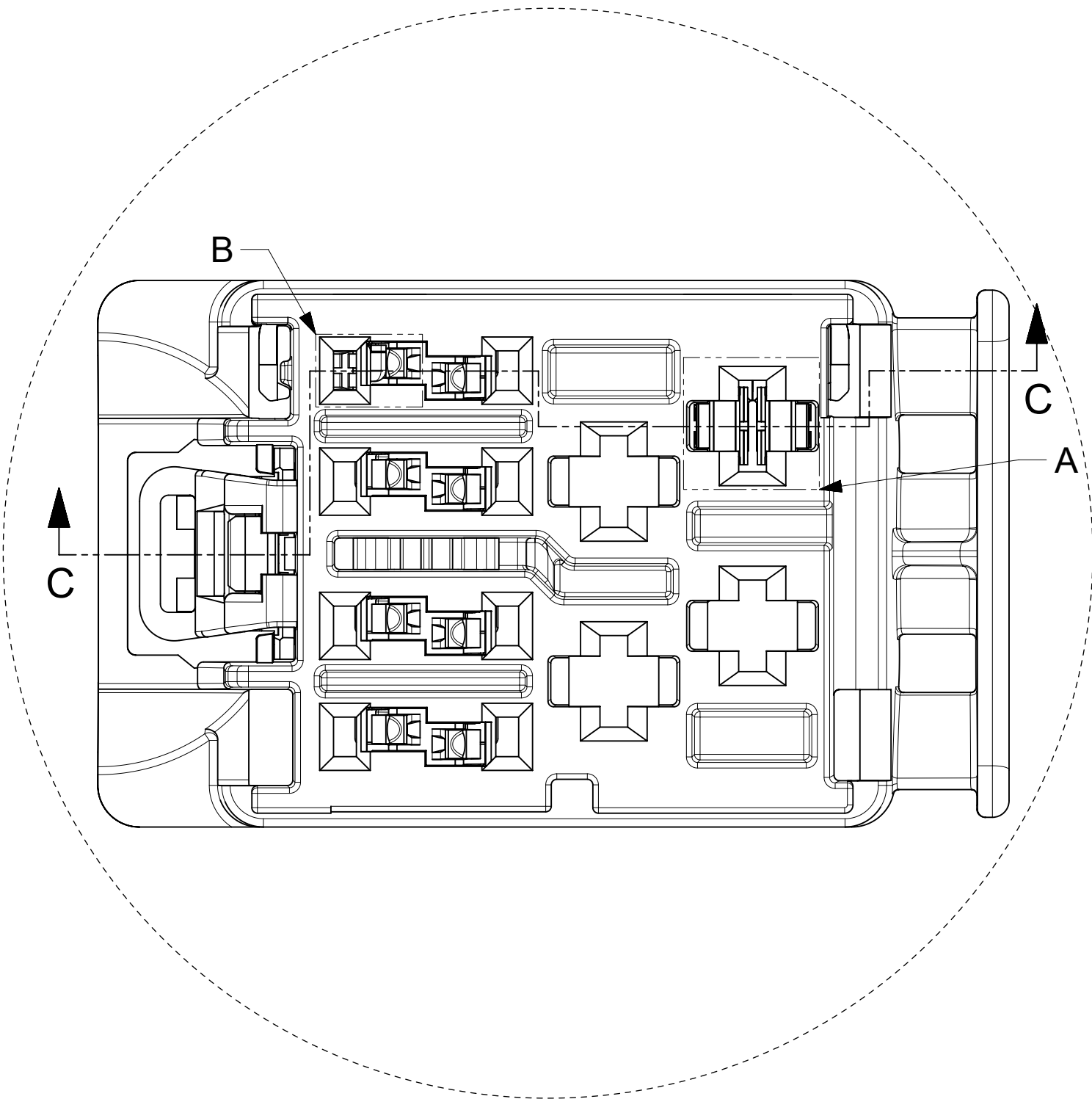
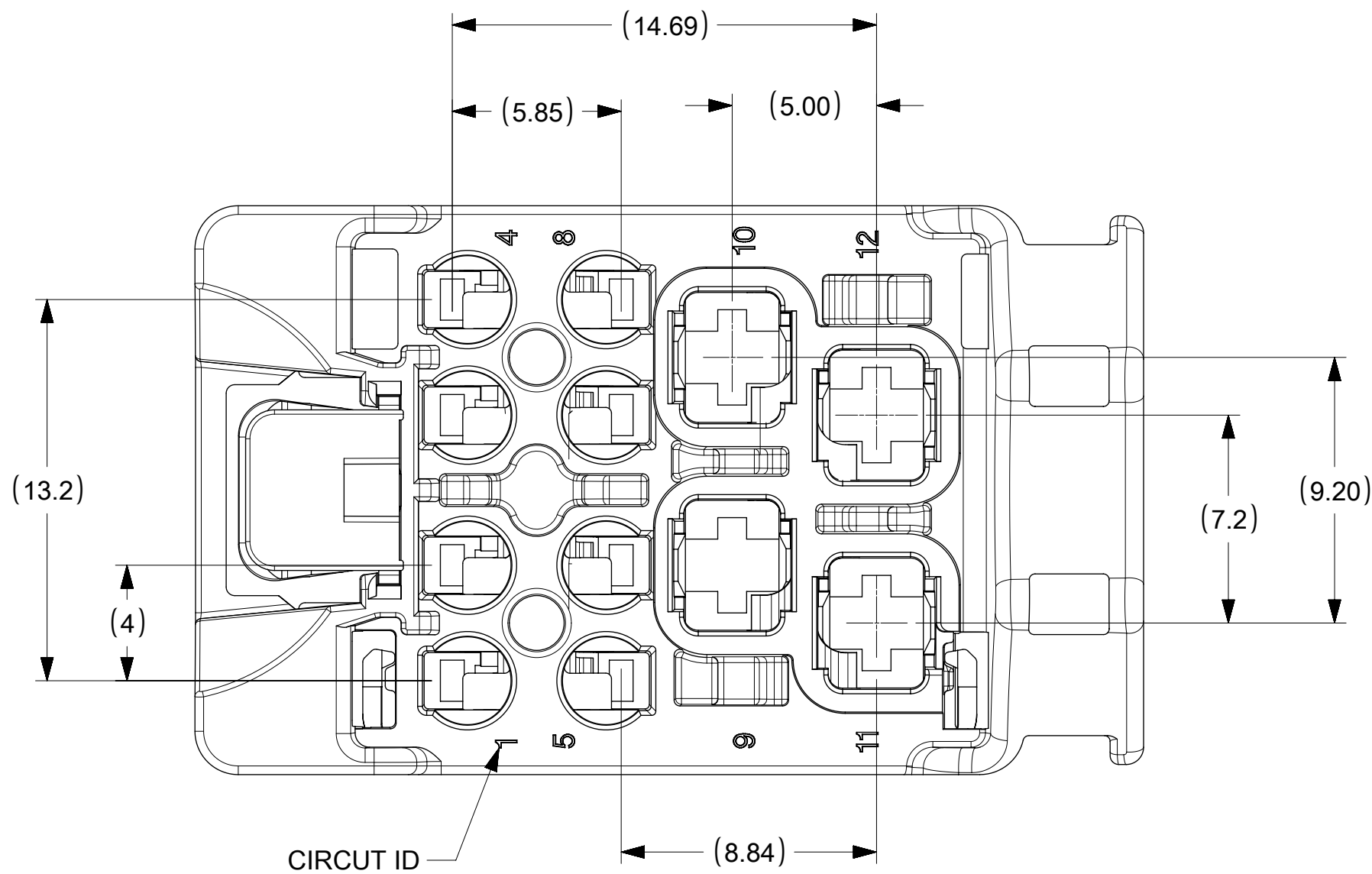
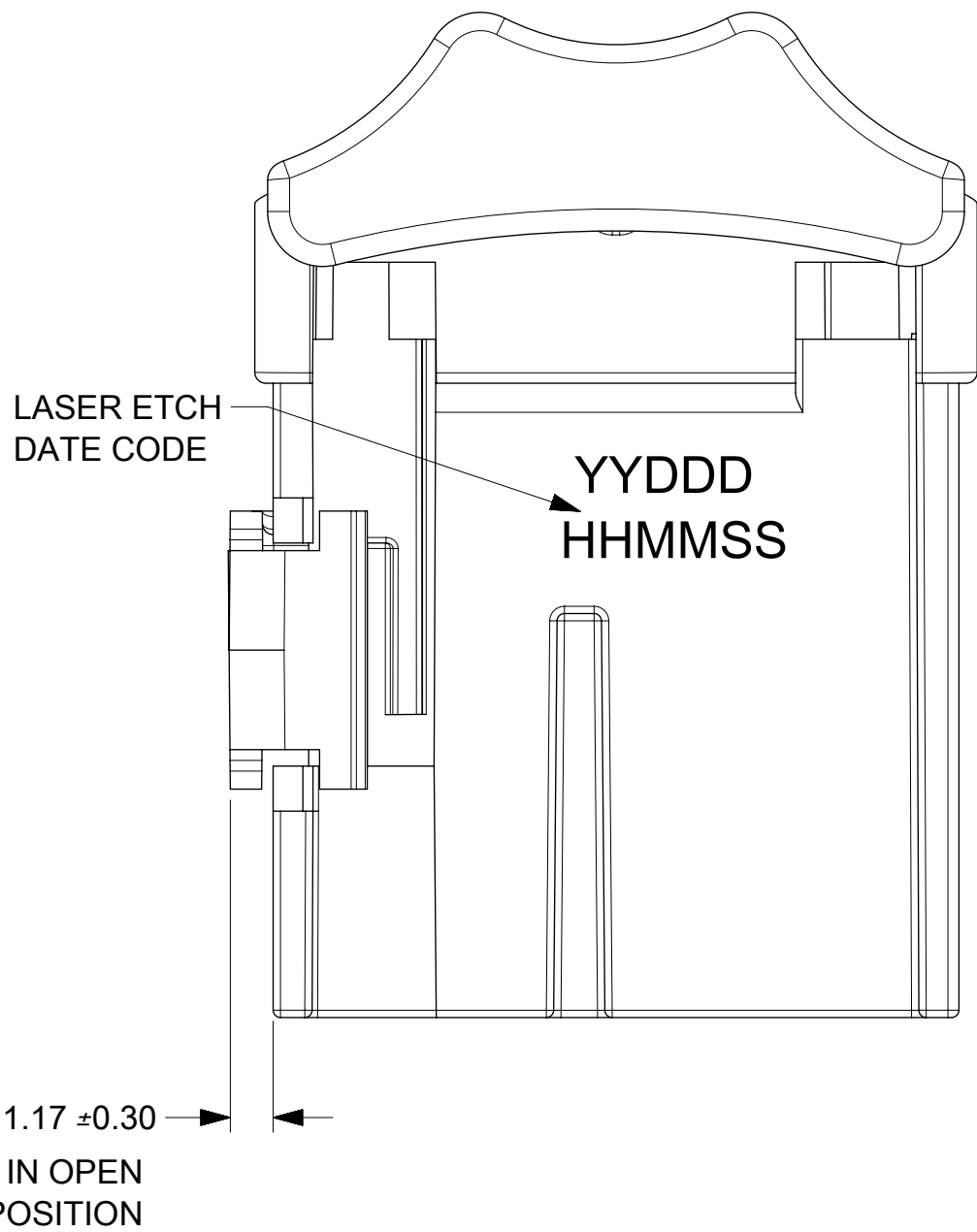
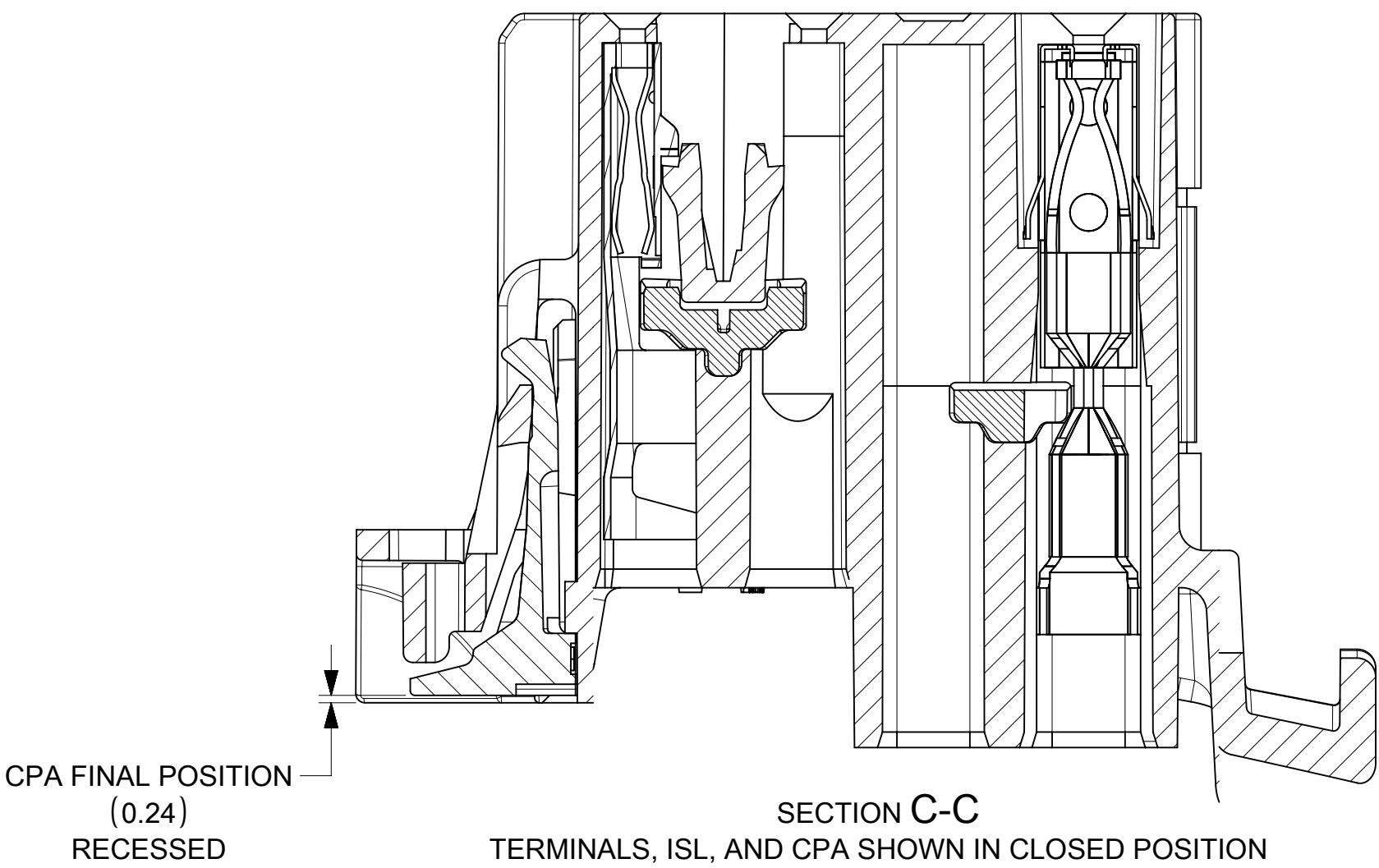
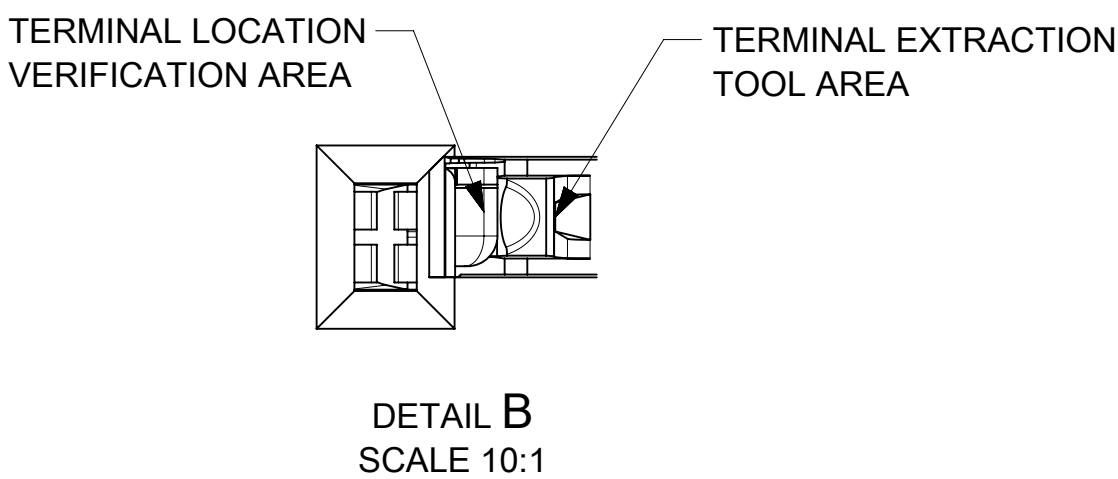
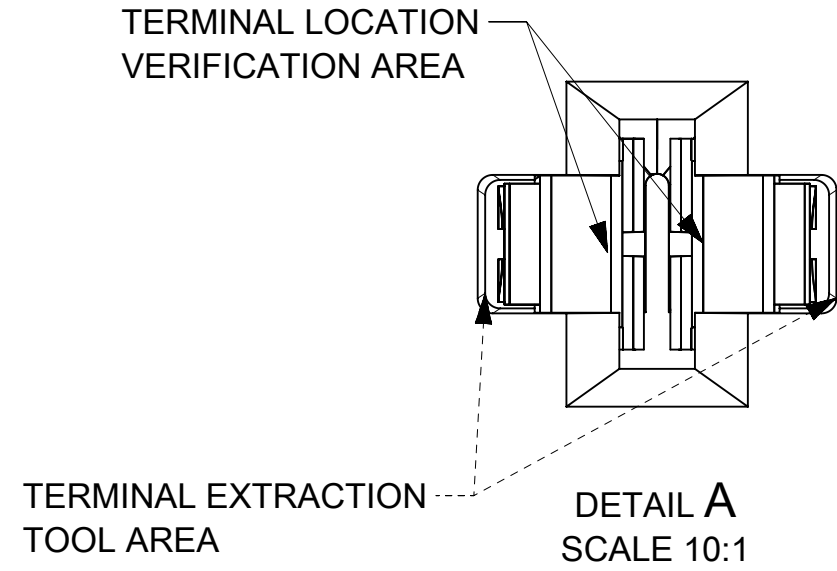
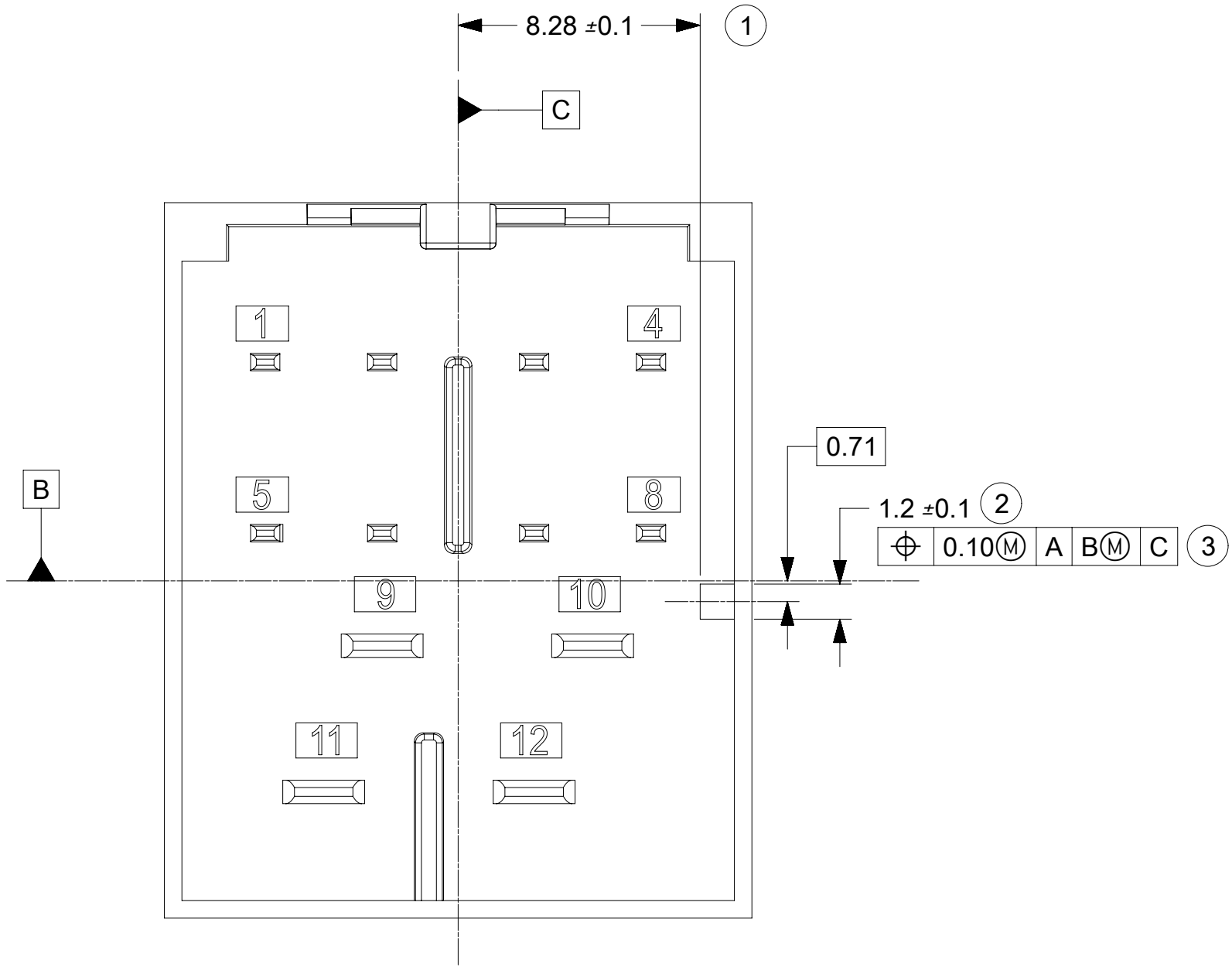
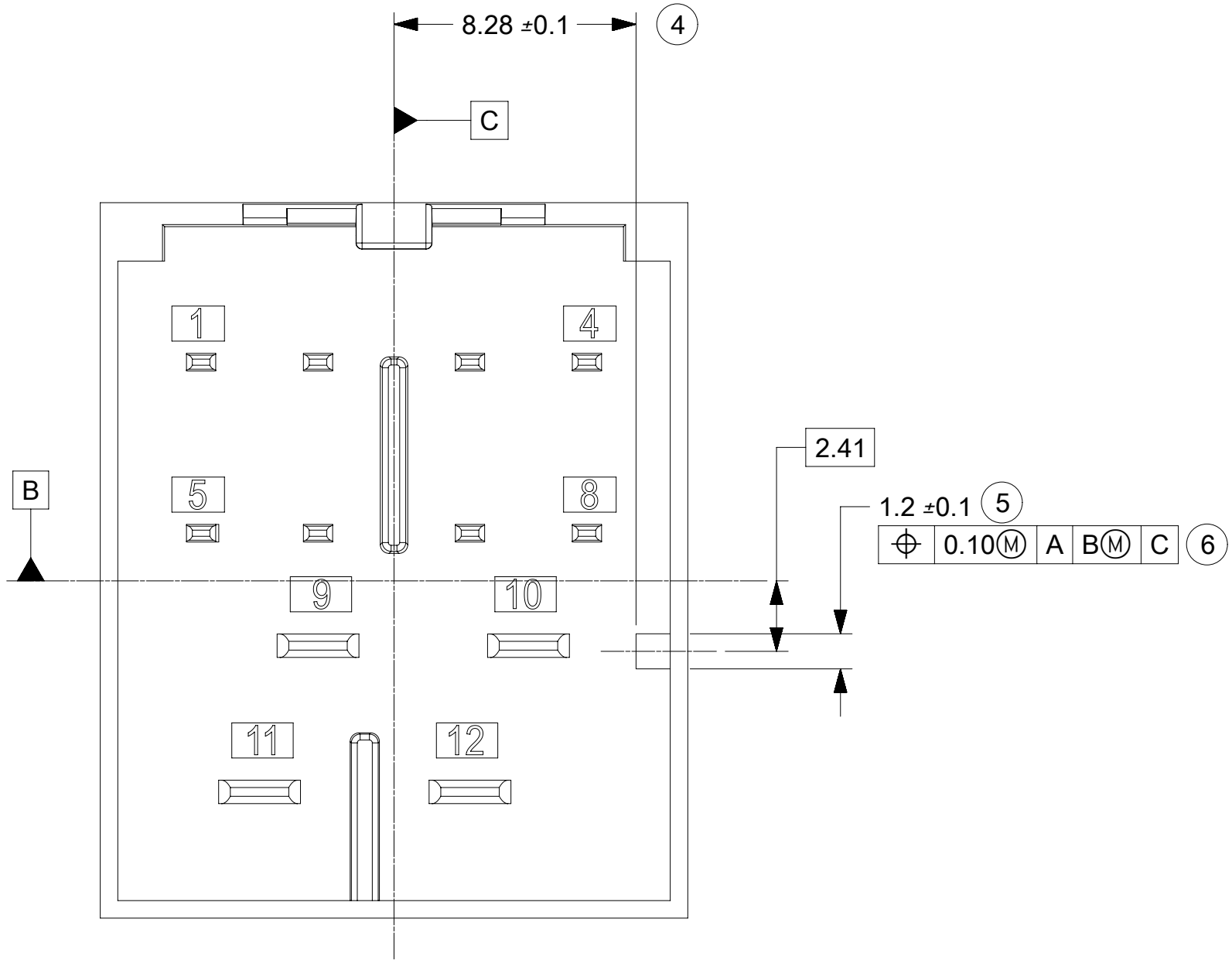




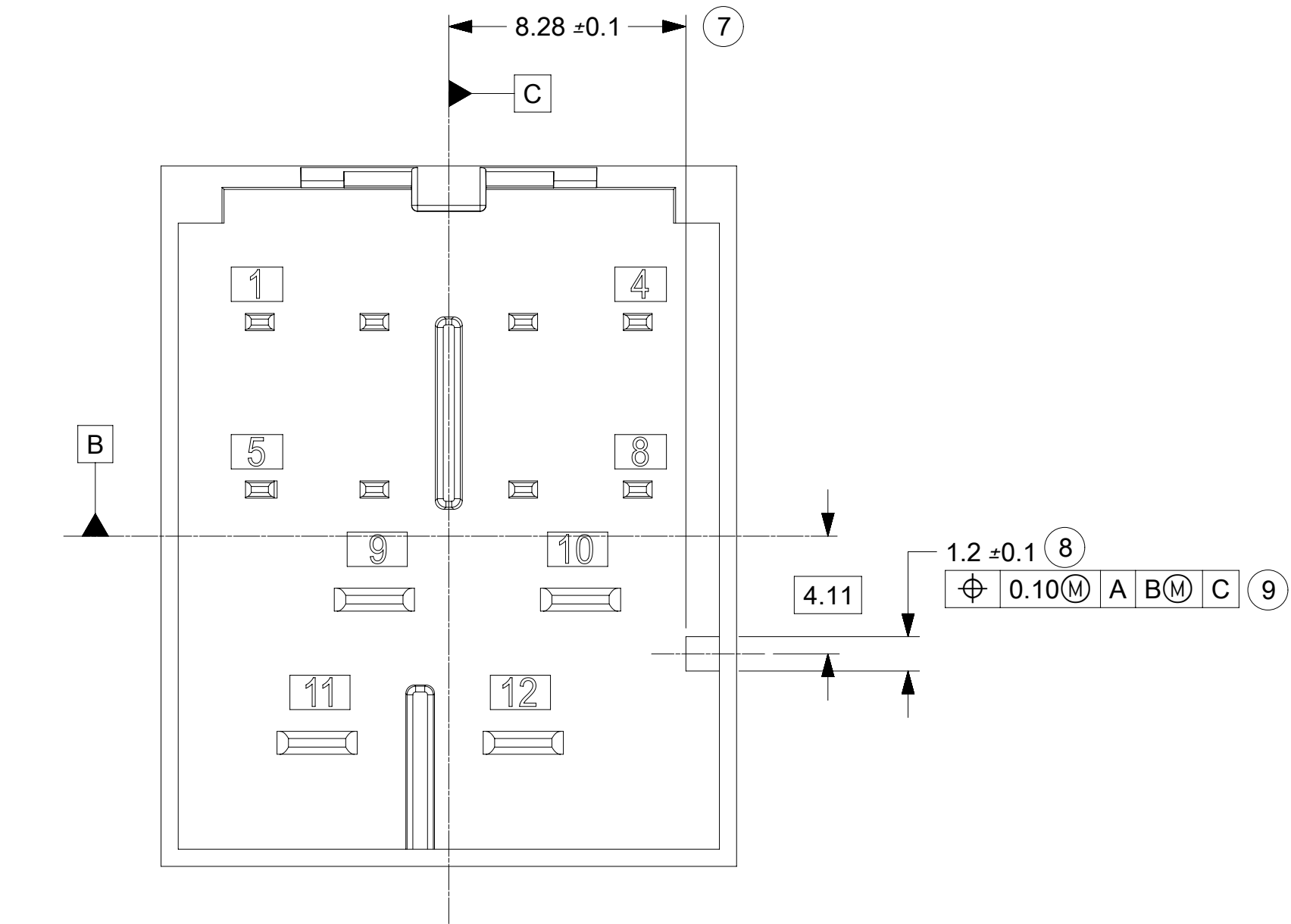
SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
	DIMENSION UNITS		SCALE	CURRENT REV DESC: SEE TABLE			molex					
	mm											
= 0				EC NO: 622293 DRWN: HTGUO02 2019/08/13 CHK'D: JCONDON 2019/08/13 APPR: JCONDON 2019/08/13 INITIAL REVISION: DRWN: VYARAPPA 2017/02/07 APPR: KDEKOSKI 2017/03/23			12WAY STAK50H HYBRID CONNECTOR ASSEMBLY					
= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)											
= 0	ANGULAR TOL ± 3.0°											
= 0	4 PLACES ±											
= 0	3 PLACES ±											
= 0	2 PLACES ± 0.3											
= 0	1 PLACE ± 0.3											
= 0	0 PLACES ± 0.3											
= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER		
= 0					D-SIZE	160026	SEE CHART		GENERAL MARKET		2 OF 2	
							SD-160026-0001		PSD	000	B2	



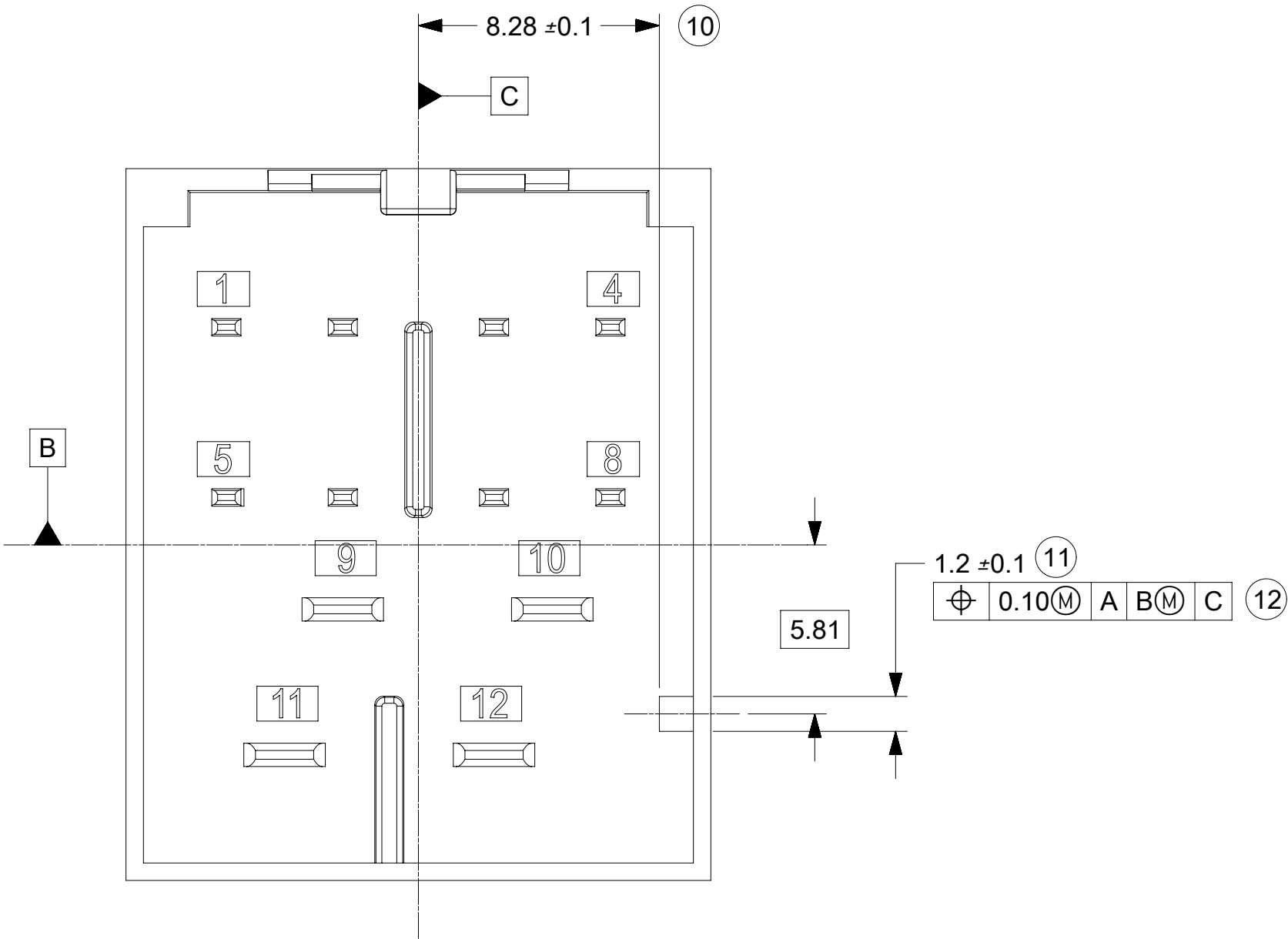
INTERFACE KEY #1
MATING CONNECTOR : BLACK



INTERFACE KEY #2
MATING CONNECTOR : LT GREEN B



INTERFACE KEY #3
MATING CONNECTOR : LT PURPLE



INTERFACE KEY #4
MATING CONNECTOR : LT 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 (120-T002 & 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

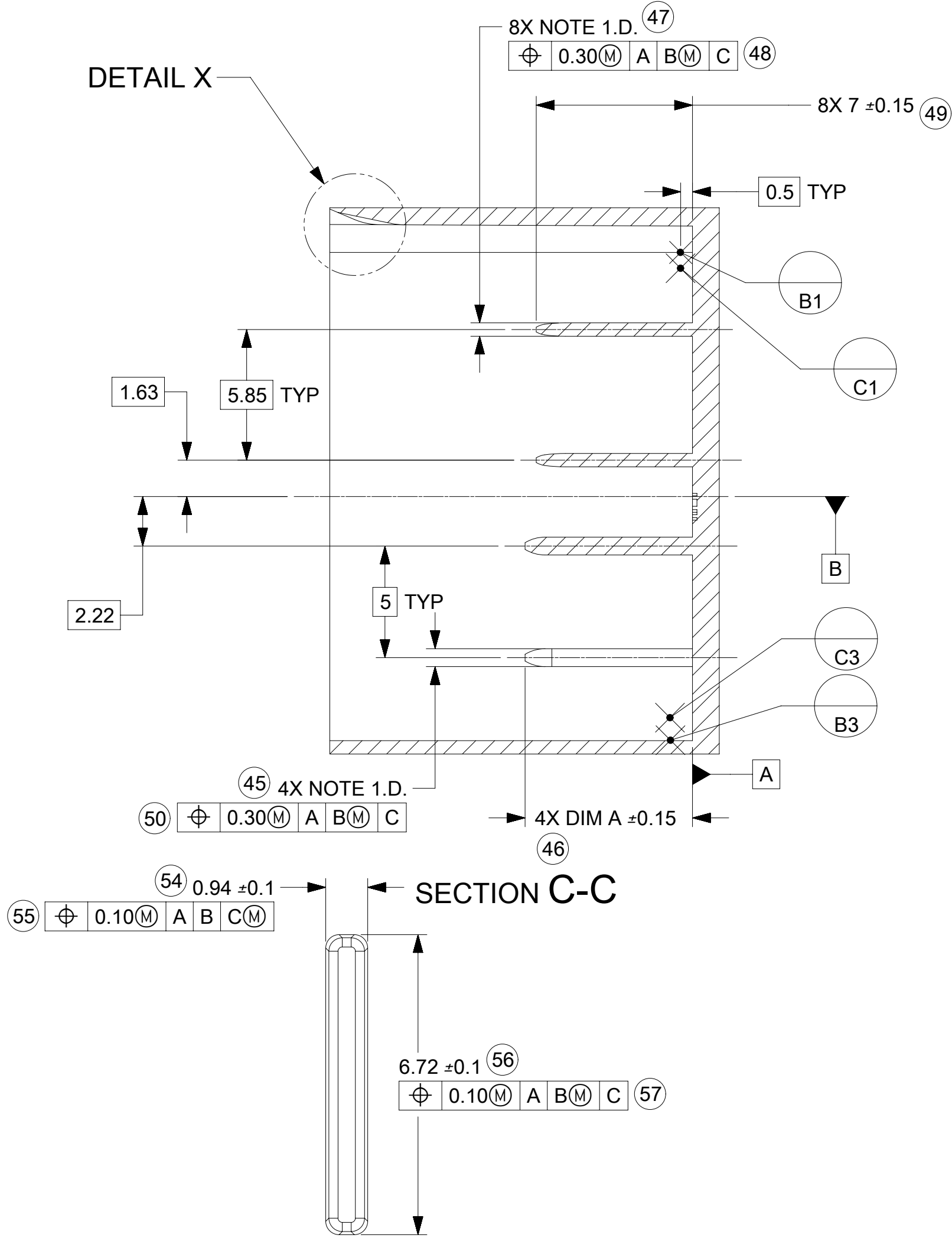
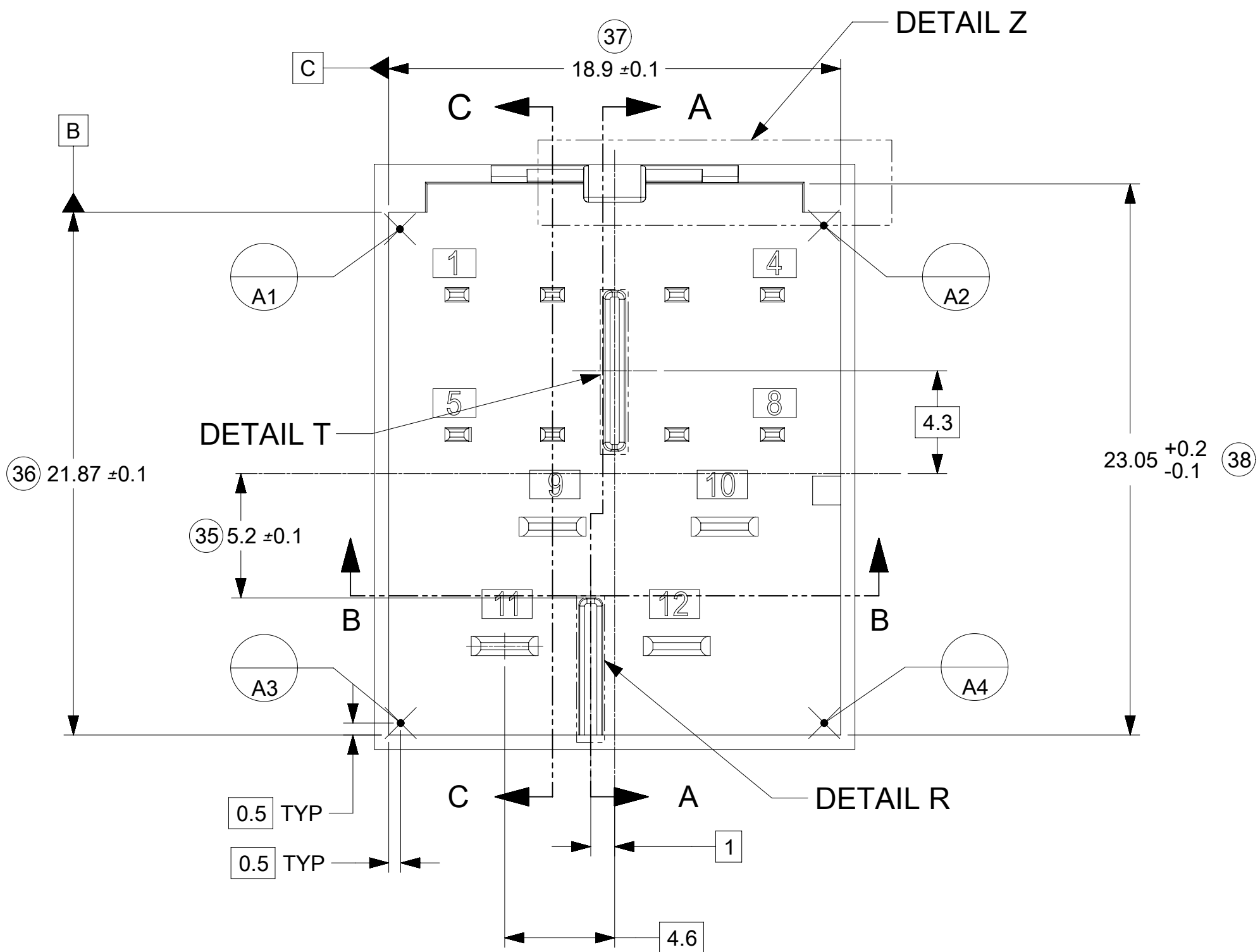
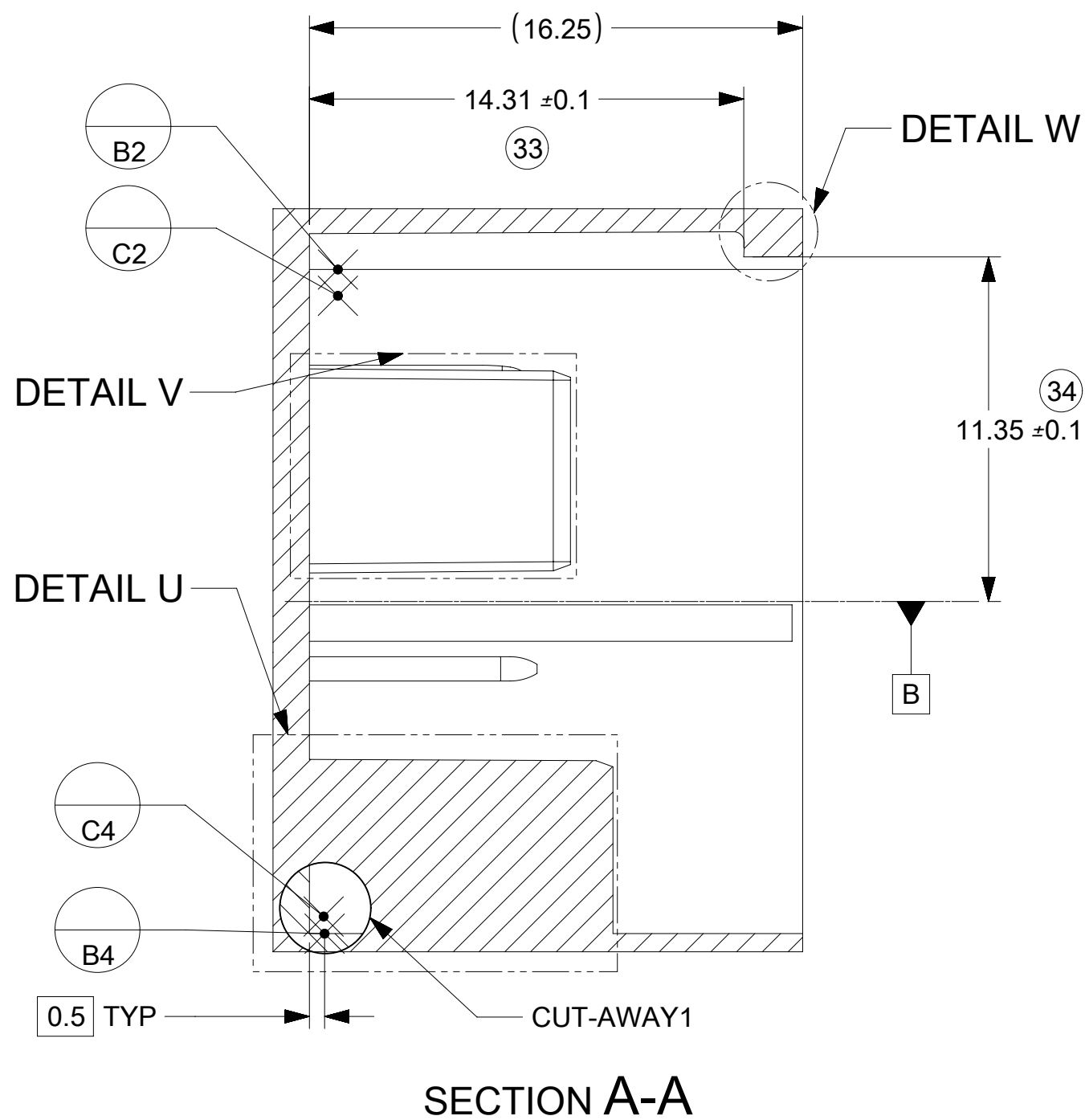
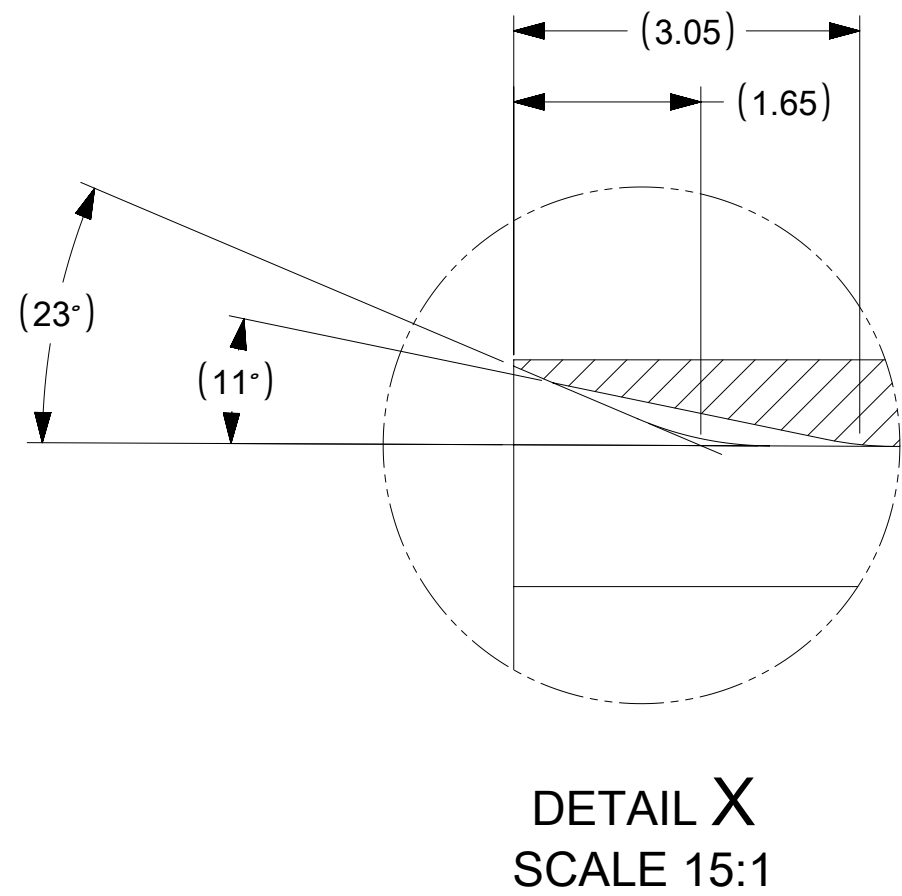
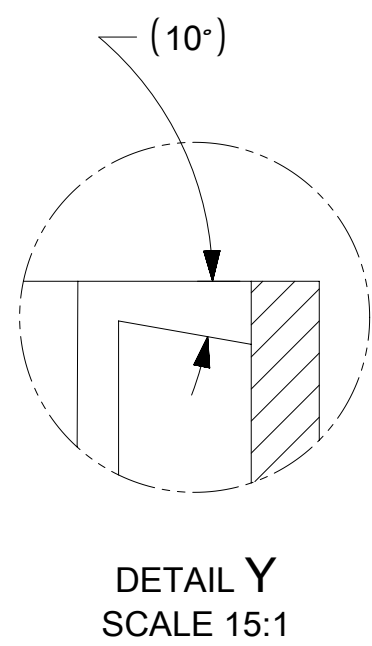
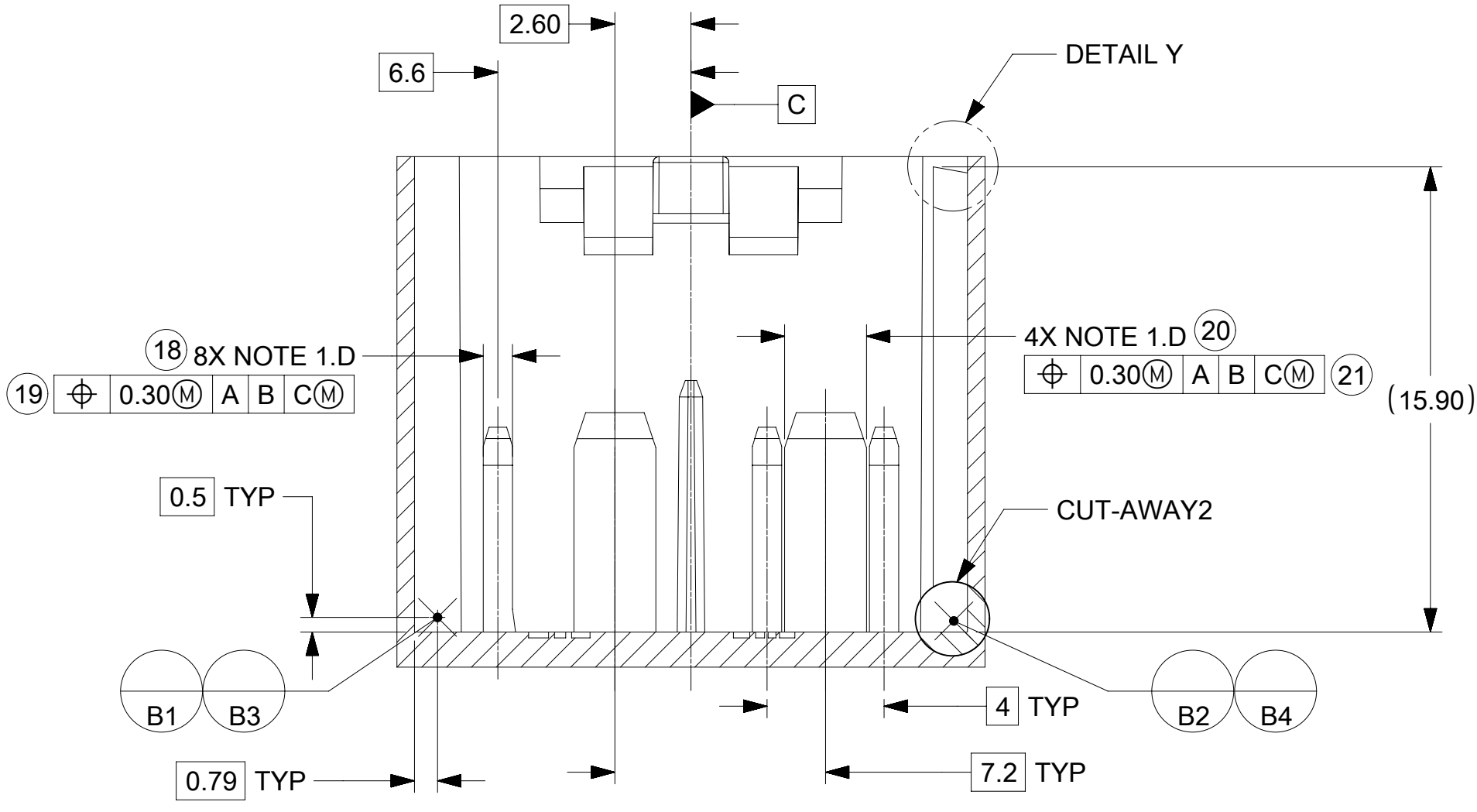
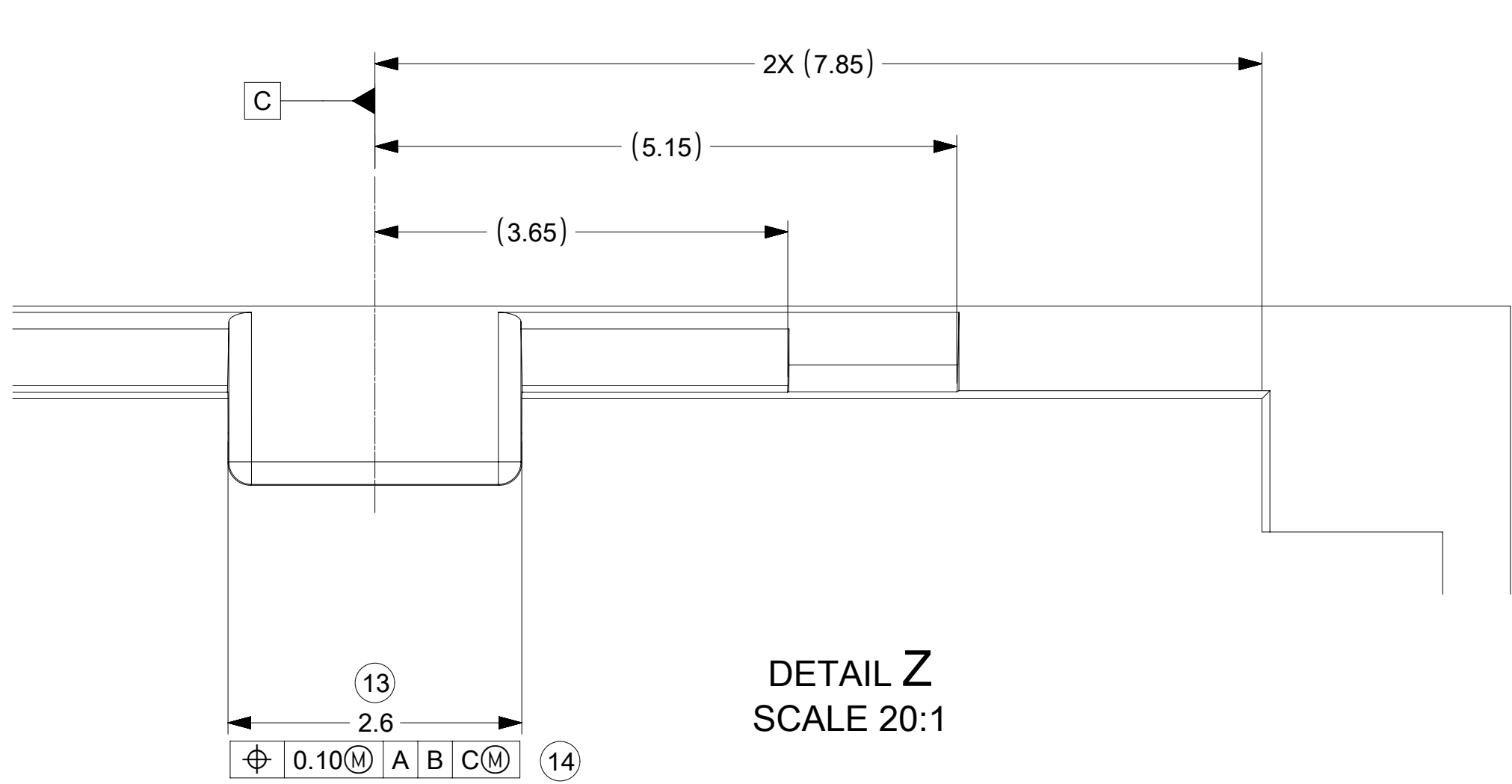
2. DRAWING - GEOMETRY:
- a. ALL GRAPHIC DATA IS BASIC (NO TOLERANCE) AND MUST BE TAKEN FROM THE DATA FILE AT ITS LATEST REVISION.
 - b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M-2009.
 - c. GENERAL TOLERANCES:
LINEAR : PER DIN 16901 LINEAR CODE B FOR PRECISION ENGINEERING
ANGULAR : ±3°
 - d. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
 - e. CORNERS SHOW AS SHARP TO BE R 0.2 MAX.
 - f. LETTERS SHALL BE 0.15MAX RAISED IN 0.25 MAX RECESSED PAD.
THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER.
(for small parts : LETTERING SHALL BE 0.10 MAX RAISED IN 0.15 MAX RECESS PAD)

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 07/31/2018
B	REMOVED 0.2MM FROM CONNECTOR LOCK TAB FEATURE
A3	DRAWING CLEANUP
A2	ADDED CIRCUIT IDs
A1	ADDED NOTE 1e, MKOWALSKY 7/7/2017
7	GEOMETRY UPDATED, SPEMMARAJU 02/18/2016
6	UAU2015-1446 , SAP#10681629 , JCONDON 03/25/2015

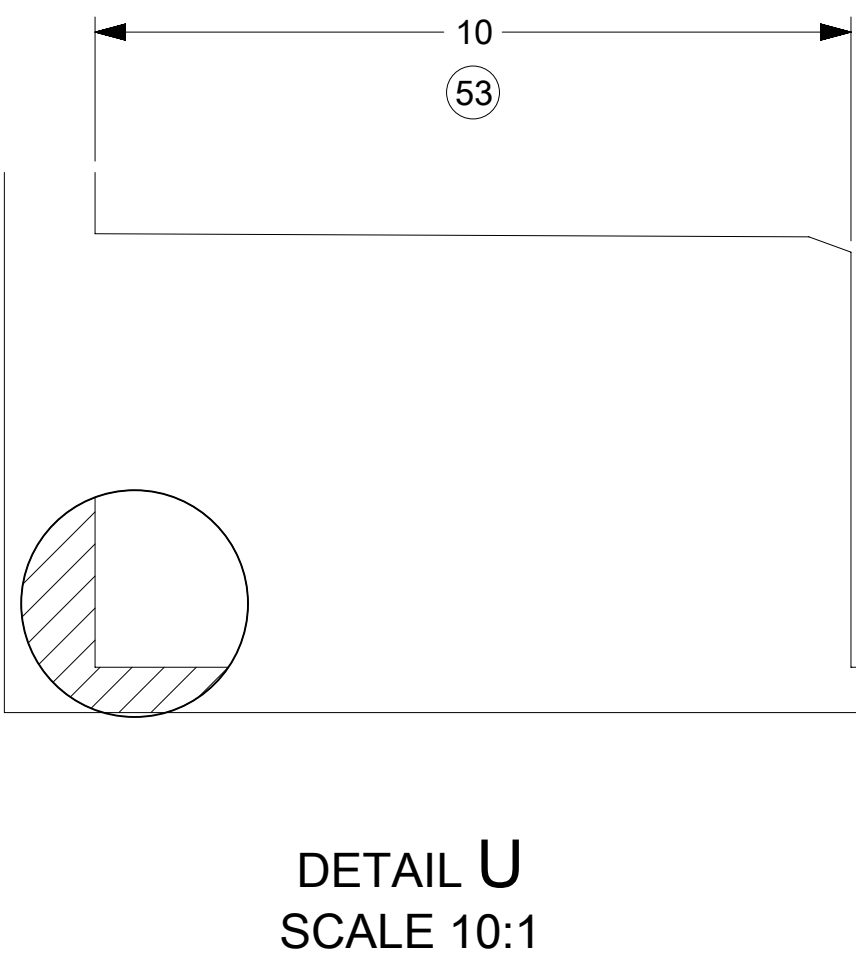
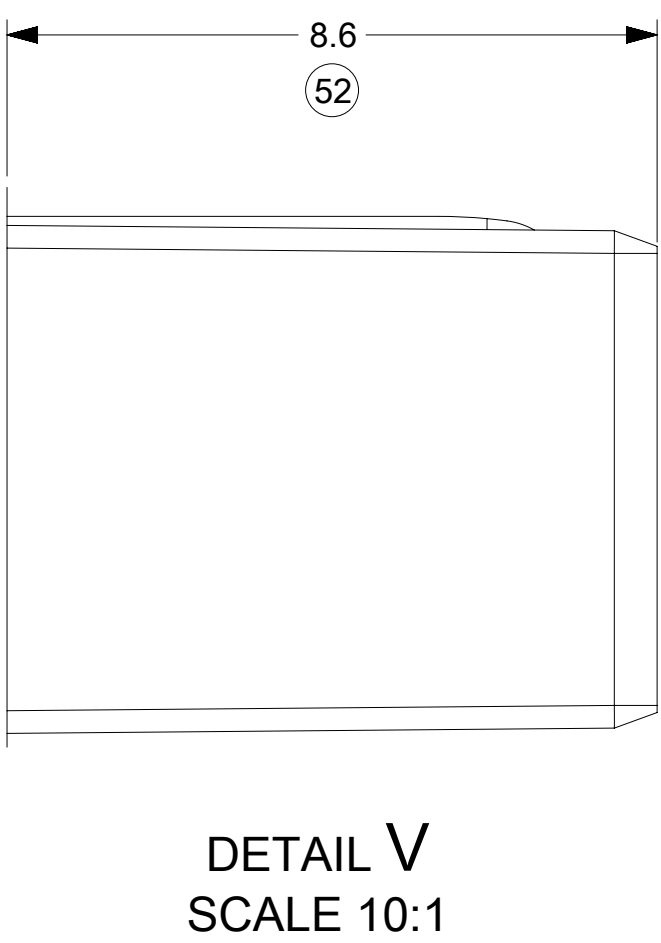
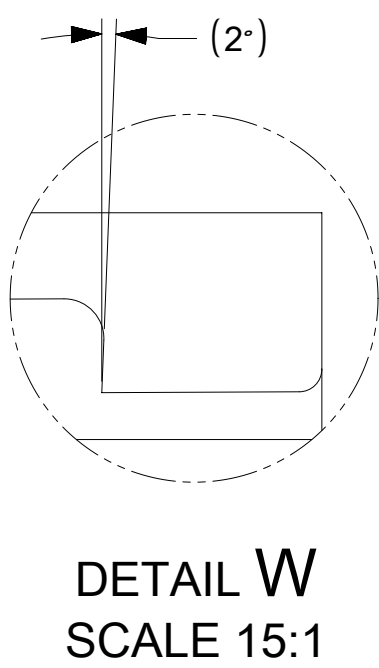
SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
= 0	DIMENSION UNITS	SCALE	CURRENT REV DESC: ADDED 2.8MM BLADE LENGTH VARIANT FOR MATE FORCE REQUIREMENT ADDED NOTE 1.E.1		
= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				
= 0	ANGULAR TOL	± °	EC NO: 626144 DRWN: JCONDON 2019/10/08 CHK'D: DLANGOLF 2019/10/22 APPR: JCONDON 2019/10/23		
= 0	4 PLACES	±			
= 0	3 PLACES	±	INITIAL REVISION: DRWN: SPEMMARAJU 2015/10/27 APPR: KDEKOSKI 2016/03/24		
= 0	2 PLACES	±			
= 0	1 PLACE	±	THIRD ANGLE PROJECTION 		
= 0	0 PLACES	±			
= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWING D-SIZE	SERIES 160026		
= 0					

molex		
12WAY STAK50H INTERFACE DRAWING		
PRODUCT CUSTOMER DRAWING		
DOCUMENT NUMBER	DOC TYPE	DOC PART
SD-160026-002	PSD	000
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	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



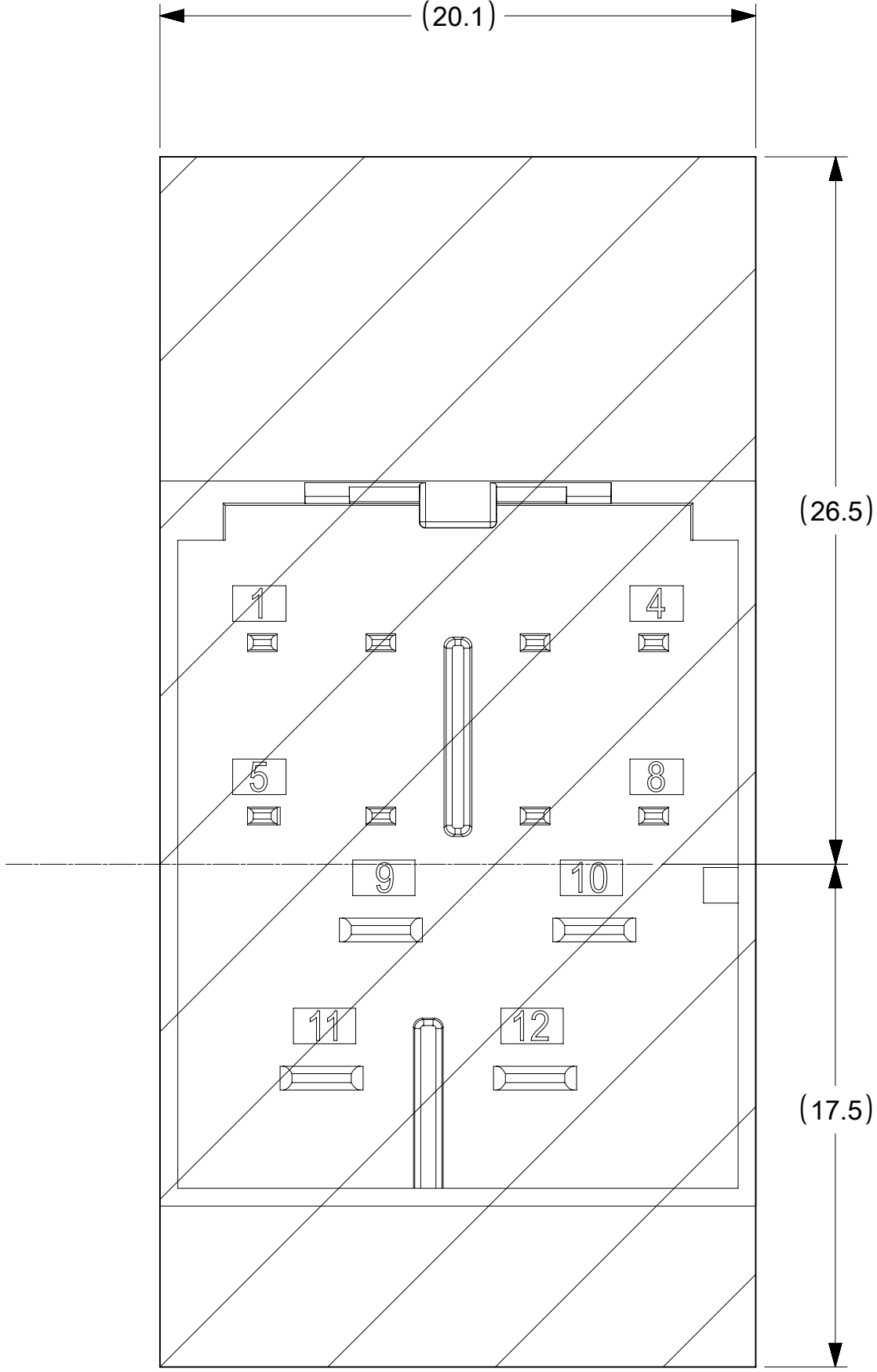
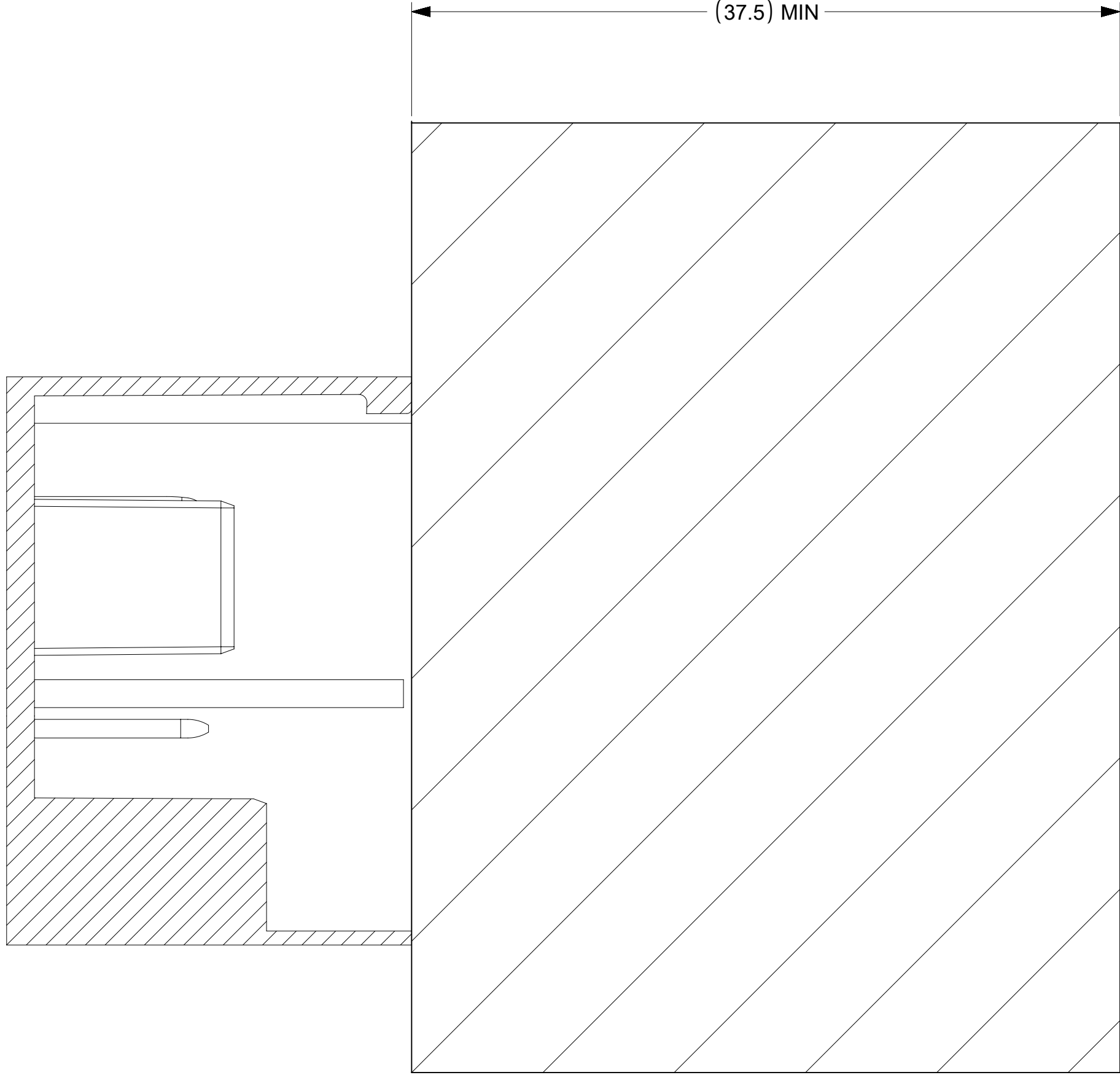
DETAIL T
SCALE 10:1

DETAIL R
SCALE 10:1

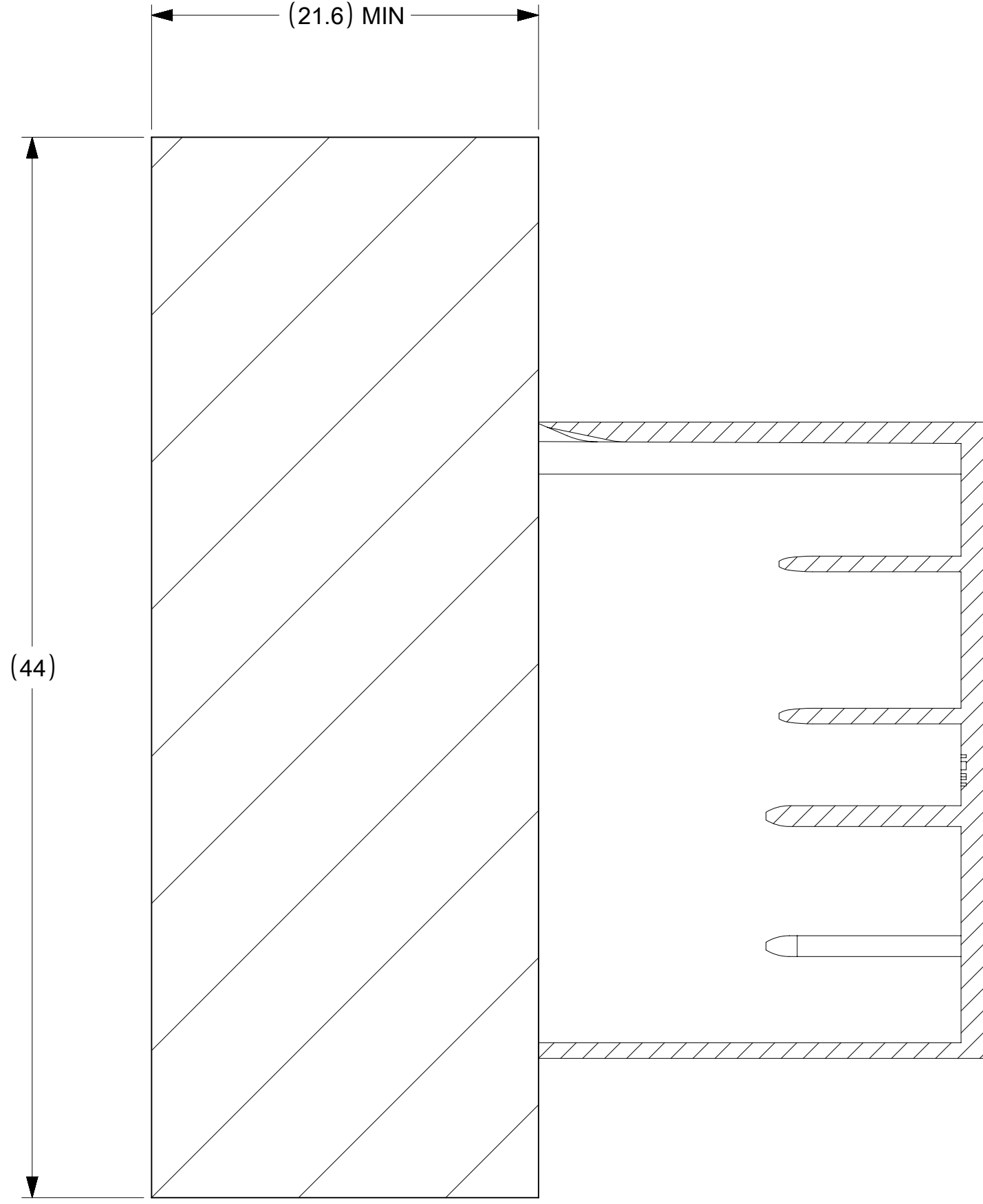
SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	SCALE	CURRENT REV DESC: ADDED 2.8MM BLADE LENGTH VARIANT FOR MATE FORCE REQUIREMENT ADDED NOTE 1.E.1
= 0	mm		
= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		
= 0	ANGULAR TOL ±		
= 0	4 PLACES		
= 0	3 PLACES		
= 0	2 PLACES		
= 0	1 PLACE		
= 0	0 PLACES		
= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		
= 0	THIRD ANGLE PROJECTION	DRAWING	SERIES
= 0		D-SIZE	160026
= 0			

12WAY STAK50H INTERFACE DRAWING			
PRODUCT CUSTOMER DRAWING			
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-160026-002	PSD	000	C
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
	GENERAL MARKET	2 OF 3	

← (37.5) MIN →



← (21.6) MIN →



DOCUMENT STATUS	P1	RELEASE DATE	2019/10/23	15:15:02
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