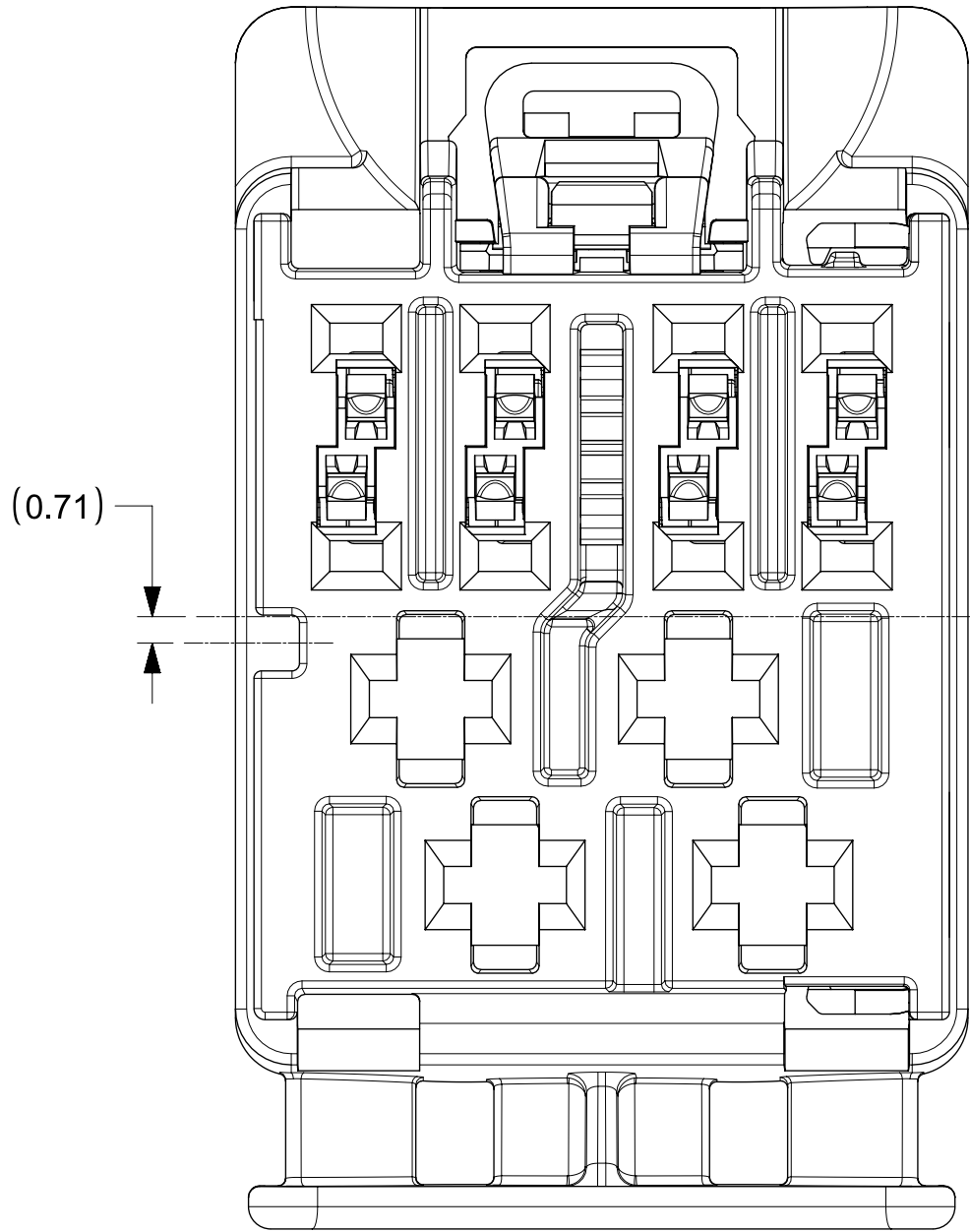
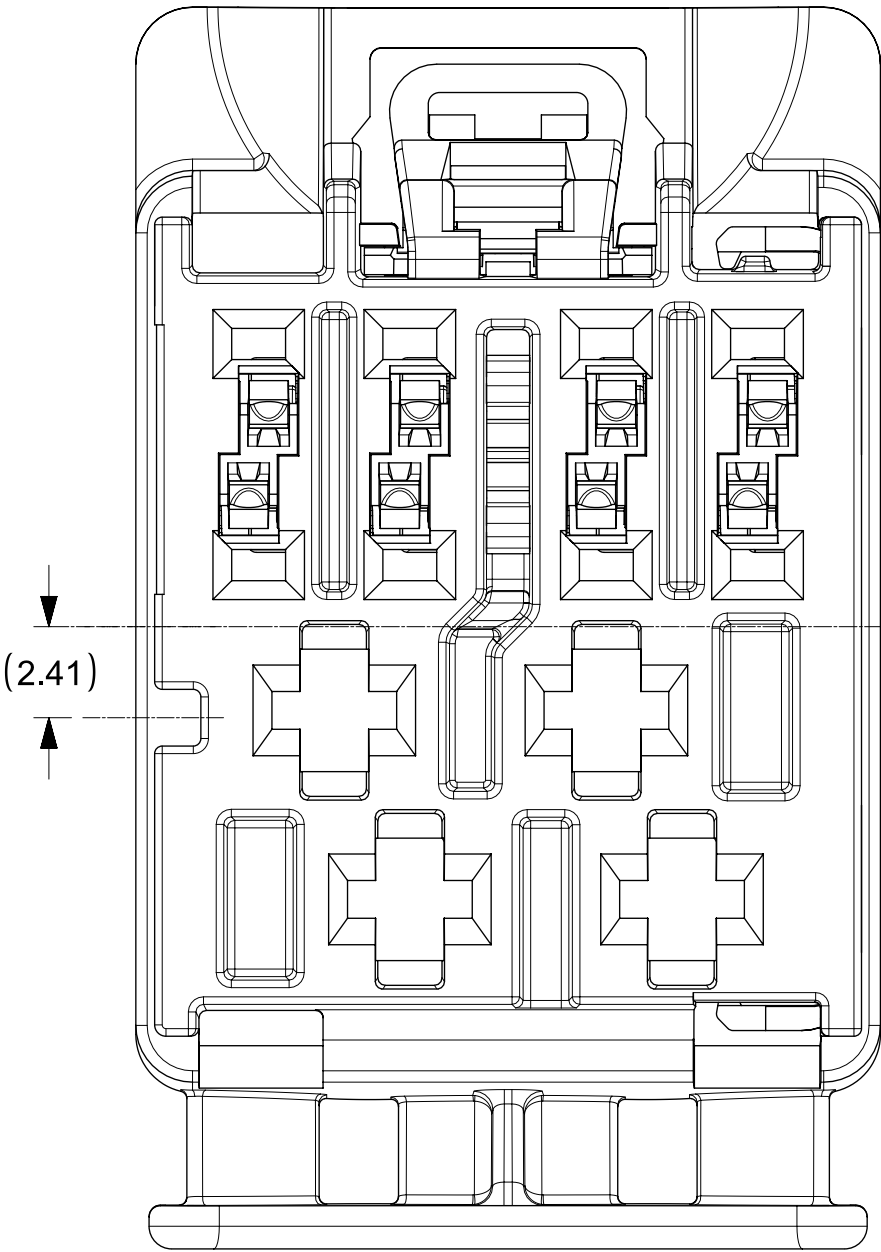
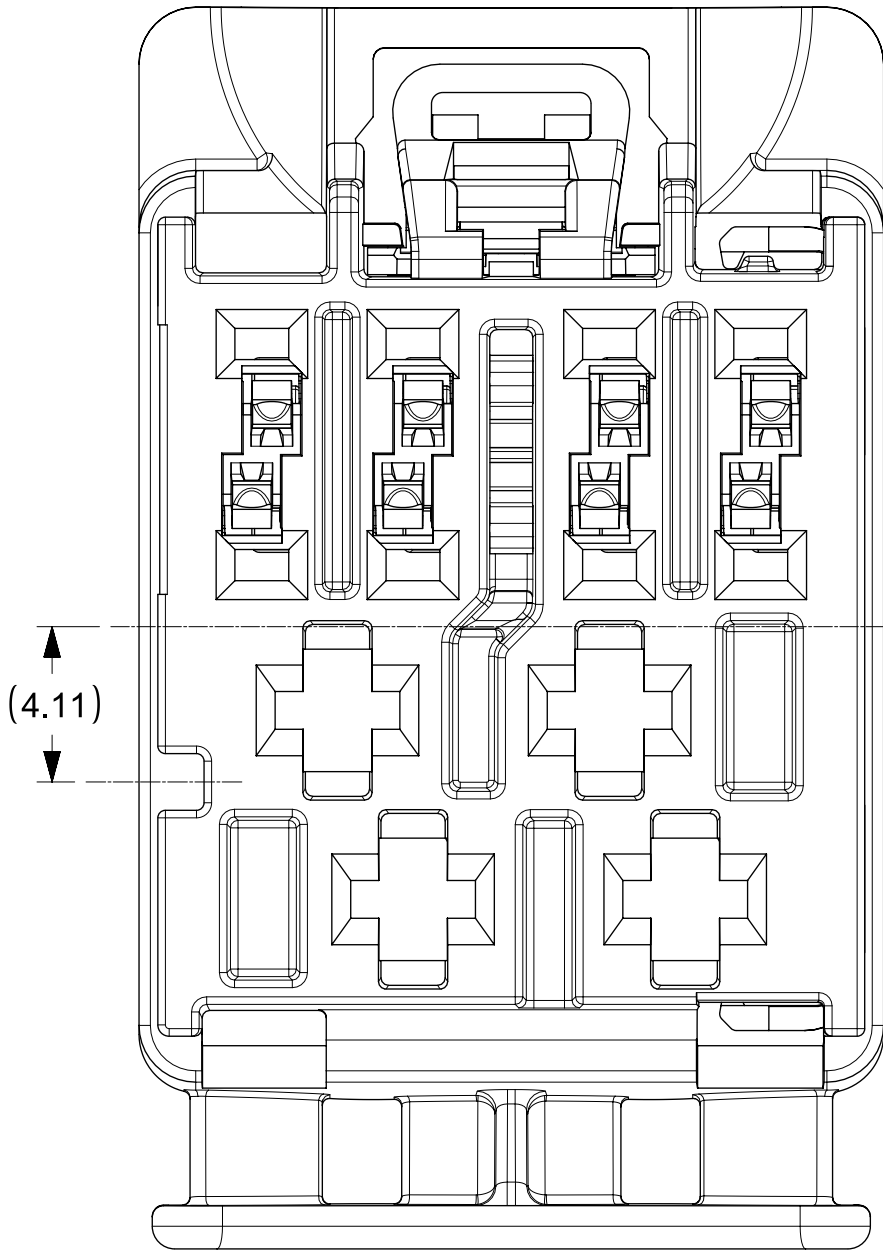




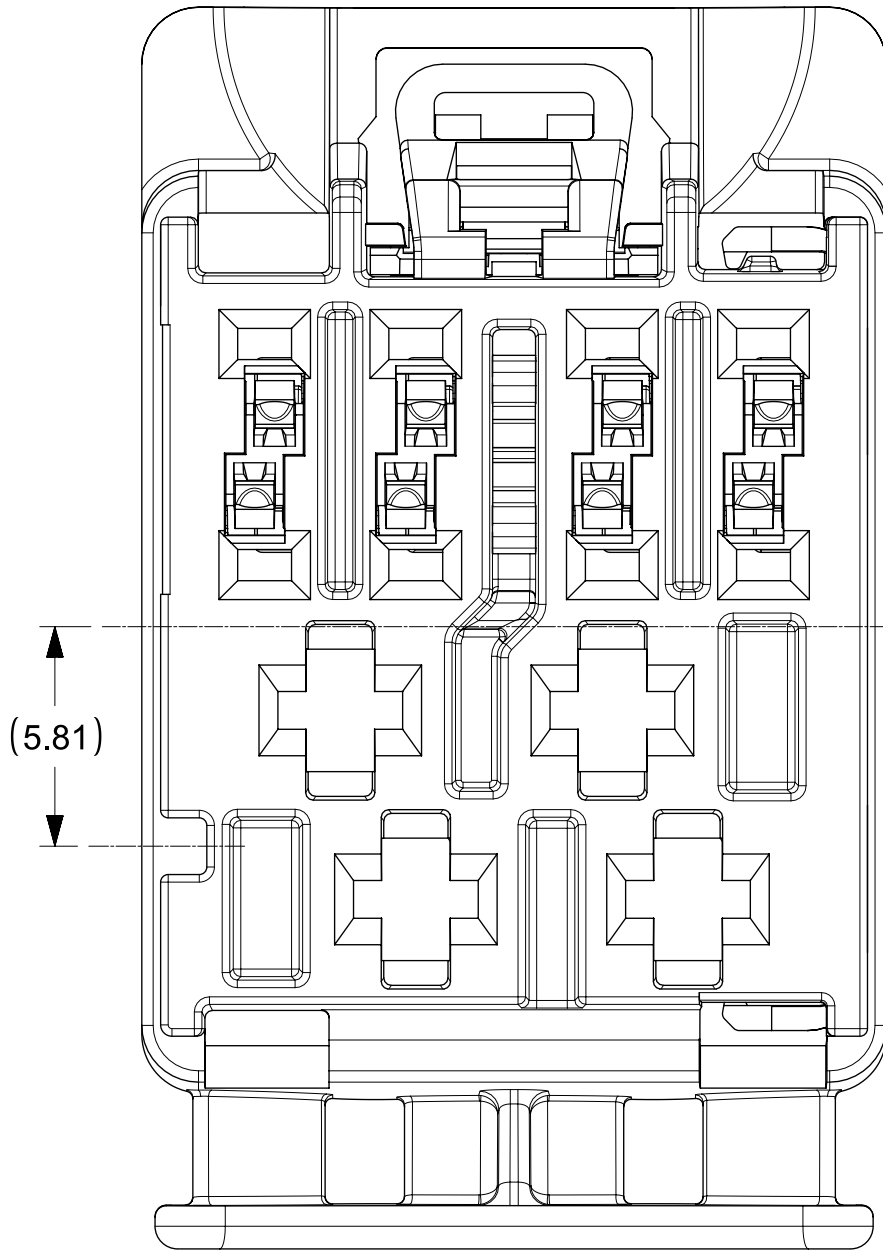
12WAY CONNECTOR ASSEMBLY
KEY 1
P/N 1600260001



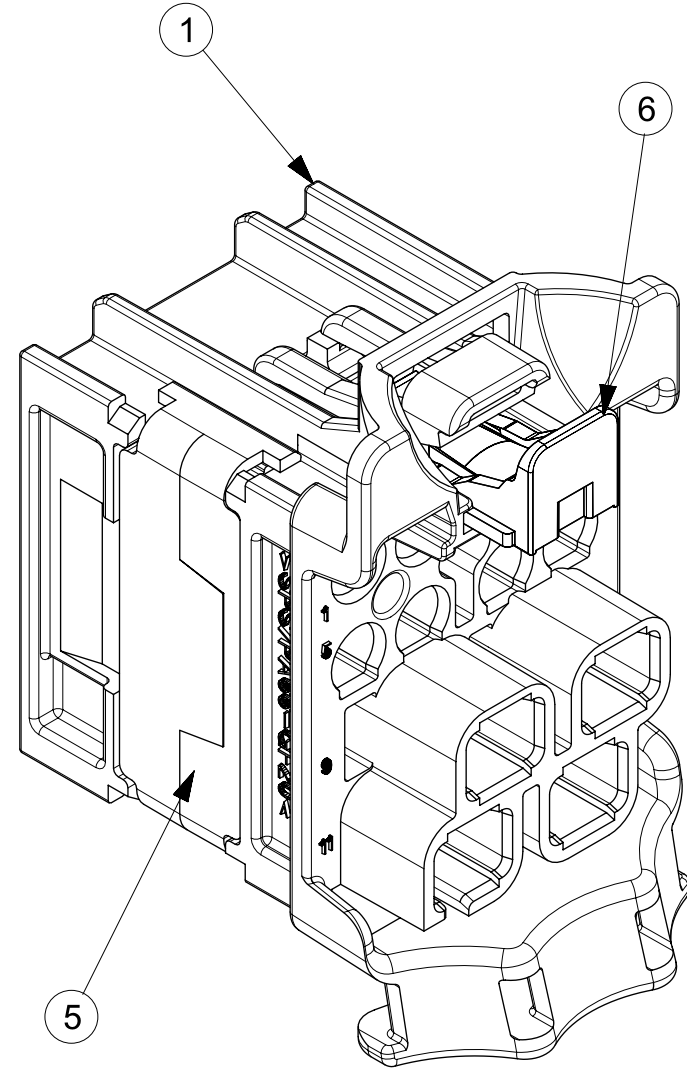
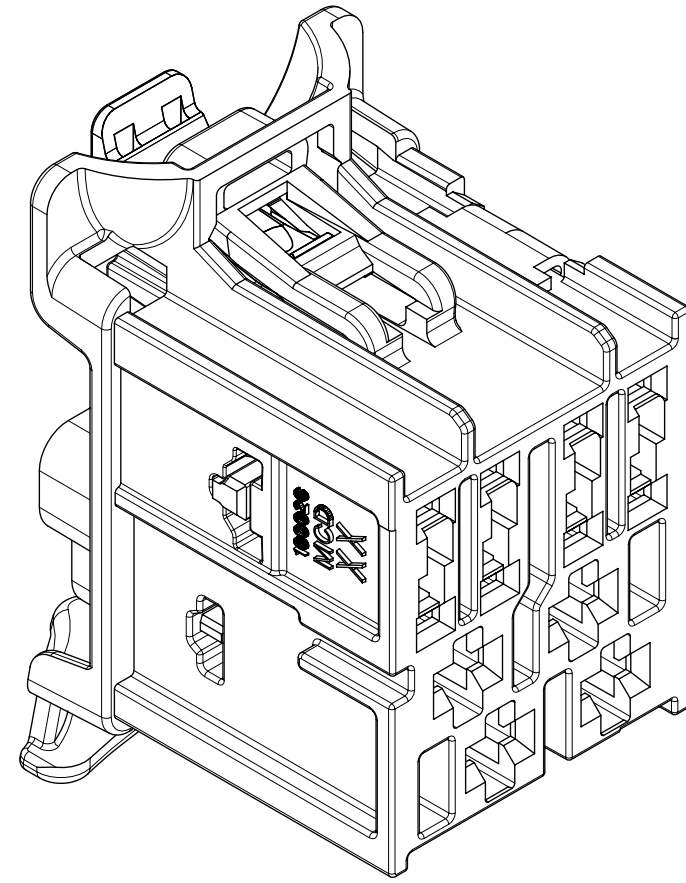
12WAY CONNECTOR ASSEMBLY
KEY 2
P/N 1600260002



12WAY CONNECTOR ASSEMBLY
KEY 3
P/N 1600260003



12WAY CONNECTOR ASSEMBLY
KEY 4
P/N 1600260004



- NOTES: VALID UNLESS OTHERWISE SPECIFIED
1. GENERAL:
- a. APPLICATION SPECIFICATION SEE: AS-160014-001
 - b. PRODUCT SPECIFICATION SEE: PS-160014-001
 - c. PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-31302-266
 - d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: ES-40000-5016
 - e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)
2. DESIGN - MATERIALS:
- a. SEE BOM TABLE
3. DESIGN - GEOMETRY:
- a. ALL GRAPHIC DATA IS BASIC (NO TOLERANCE) AND MUST BE TAKEN FROM THE DATA FILE AT ITS LATEST REVISION.
 - b. PRODUCT DESIGN MODEL NUMBER(S): SEE BOM TABLE
 - c. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M-2009
 - d. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
 - e. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
 - f. MARKED TEXT TO INCLUDE RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER.
1. LASER ETCHED DATE CODE
1ST THROUGH 2ND DIGIT = CALENDAR YEAR
3RD THROUGH 5TH DIGIT = "DAY #" OF YEAR
6TH THROUGH 7TH DIGIT = HOUR OF DAY
8TH THROUGH 9TH DIGIT = MINUTE OF HOUR
10TH THROUGH 11TH DIGIT = SECOND OF MINUTE
2. LASER ETCHED ASSEMBLY LINE
" _X" DENOTES CAPACITY ASSEMBLY LINE SUCH AS"_2" OR MORE IN FUTURE
4. DESIGN - MANUFACTURING:
- a. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B)

ITEM	DESCRIPTION	COLOR	RECYCLING CODE	WEIGHT (GRAMS)	NO OF ITEMS REQUIRED			
1	CONN HOUSING - KEY 1	BLACK	SPS/PA66-GF20	5.0	1			
2	CONN HOUSING - KEY 2	LT GREEN B	SPS/PA66-GF20	5.0		1		
3	CONN HOUSING - KEY 3	LT PURPLE	SPS/PA66-GF20	5.0			1	
4	CONN HOUSING - KEY 4	LT GRAY	SPS/PA66-GF20	5.0				1
5	ISL	NATURAL	SPS-GF30	0.37	1	1	1	1
6	CPA	NATURAL	PA66-GF50	0.08	1	1	1	1

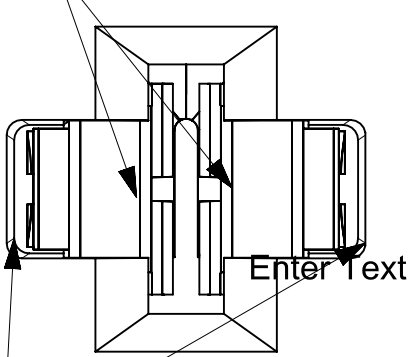
MOLEX ASSEMBLY PART NO.'S	
1600260001	KEY 1
1600260002	KEY 2
1600260003	KEY 3
1600260004	KEY 4

PART NUMBER	STATUS	PLATING	SUPPLIER	WIRE GAGE (mm2)	TERMINAL FAMILY	WIRE SPECIFICATION
35072403	ACTIVE		DELPHI	0.35 - 0.5	TAXI TERM OCS 1.2	SAE/ J1128 THIN WALL INSULATION GMW 15626 INSULATION TYPE FLR (REGULAR THIN WALL)
35072404	ACTIVE			0.75 - 0.8		
35072405	ACTIVE			0.8 - 1.0		
35072406	OBSOLETE			1.25 - 1.5		
35457252	ACTIVE			1.25 - 1.5		
SMSA-A031T-M1.2	ACTIVE	TIN PLATING	JST	0.5 - 0.75	MSA 1.2mm TERMINAL	
SMSA-A041T-M1.2	ACTIVE			1.0 - 1.5		
1-968851-1	ACTIVE		TE	1.0 - 2.5	AMP MCP 2.8	
1-968849-1	ACTIVE			0.5 - 1.0		
15457849	ACTIVE		DELPHI	1.5 - 2.5	CTS 2.8mm	
15457848	ACTIVE			0.5 - 1.0		

C	UPDATED DELPHI 1.2 TERMINAL PN IN BOM
B3	UPDATED LASER MARK TO INCLUDE NEW CAPACITY ASSEMBLY LINE
B2	UPDATED DELPHI 1.2 TERMINAL PNS
B1	UPDATED WIRE GAGE RANGE OF 1.20MM TERMINAL
B	UPDATED VIEWS SAP#: 10898772
A	NX RE-MASTERING SAP # 10816434
4	UAU2015-1899 SAP # 10698159 JCONDON 06/17/2015
3	UAU2015-1606 SAP # 10685685 JCONDON 04/23/2015
1	RELEASE FOR PROTOTYPE SAP # XXXXXXXX

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: SEE REVISION SHEET		molex			
	DIMENSION UNITS	SCALE						
	$\frac{F}{A} = 0$ $\frac{F}{C} = 0$ $\frac{F}{P} = 0$	mm 5:1						
	GENERAL TOLERANCES (UNLESS SPECIFIED)		PHASE: CO NO: DRWN: Skyla Tang CHK'D: Yann Chen APPR: Ringo Hu		12WAY STAK50H HYBRID CONNECTOR ASSEMBLY			
DIVISIONAL SYMBOLS	ANGULAR TOL	± 3.0°	4 PLACES	±	PRODUCT CUSTOMER DRAWING			
	4 PLACES	±	3 PLACES	±	DOCUMENT NUMBER			
	2 PLACES	± 0.300	2 PLACES	± 0.30	SD-160026-0001			
	1 PLACE	± 0.30	0 PLACES	± 0.30	DOC TYPE DOC PART REVISION			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER	
			D-SIZE	160026			GENERAL MARKET	
							SHEET NUMBER	
							1 OF 2	

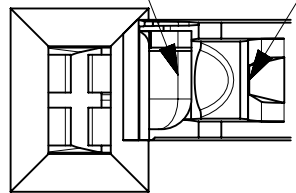
TERMINAL LOCATION
VERIFICATION AREA



DETAIL A
SCALE 10:1

TERMINAL EXTRACTION
TOOL AREA

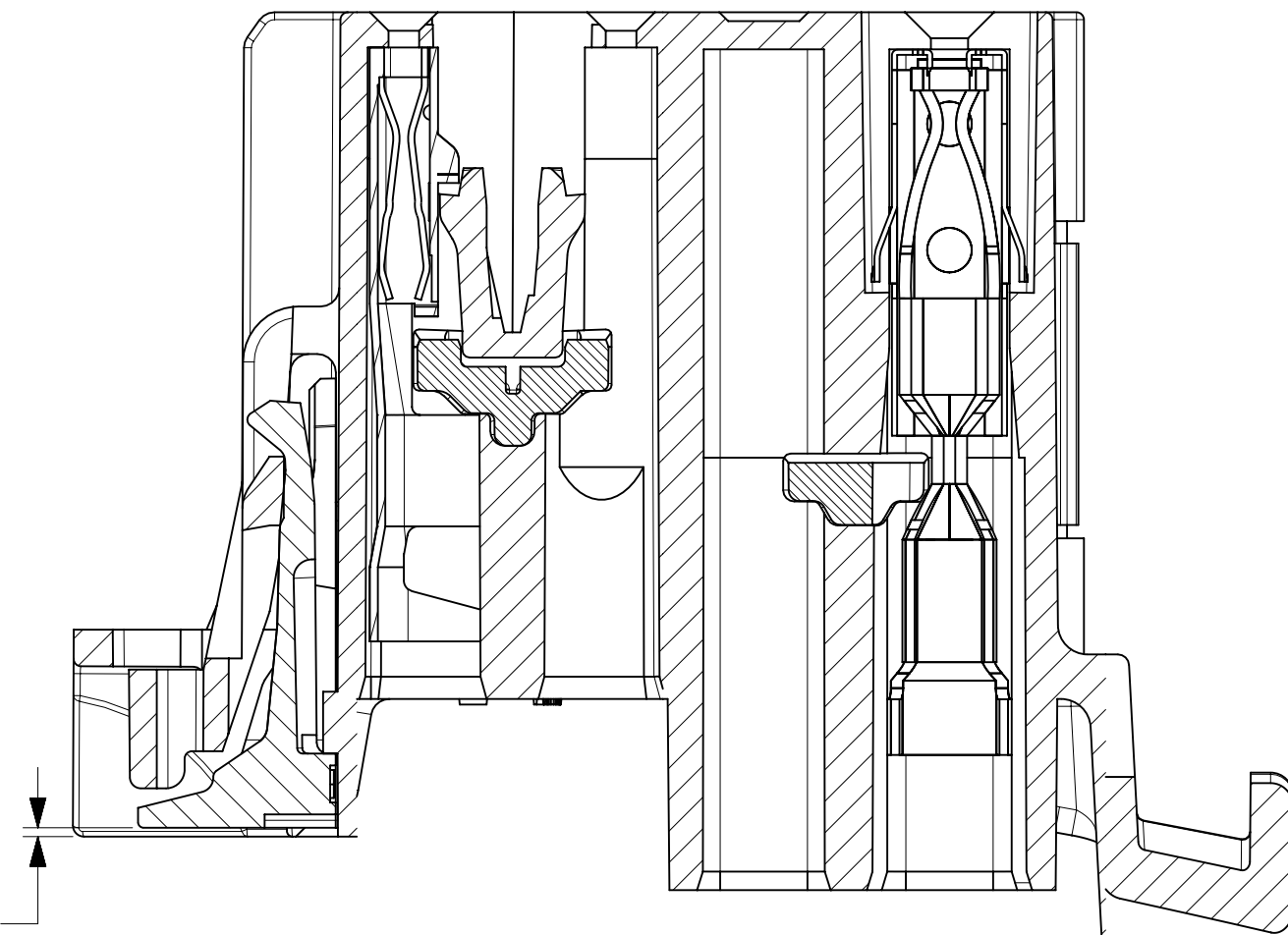
TERMINAL LOCATION
VERIFICATION AREA



DETAIL B
SCALE 10:1

TERMINAL EXTRACTION
TOOL AREA

CPA FINAL POSITION
(0.24)
RECESSED



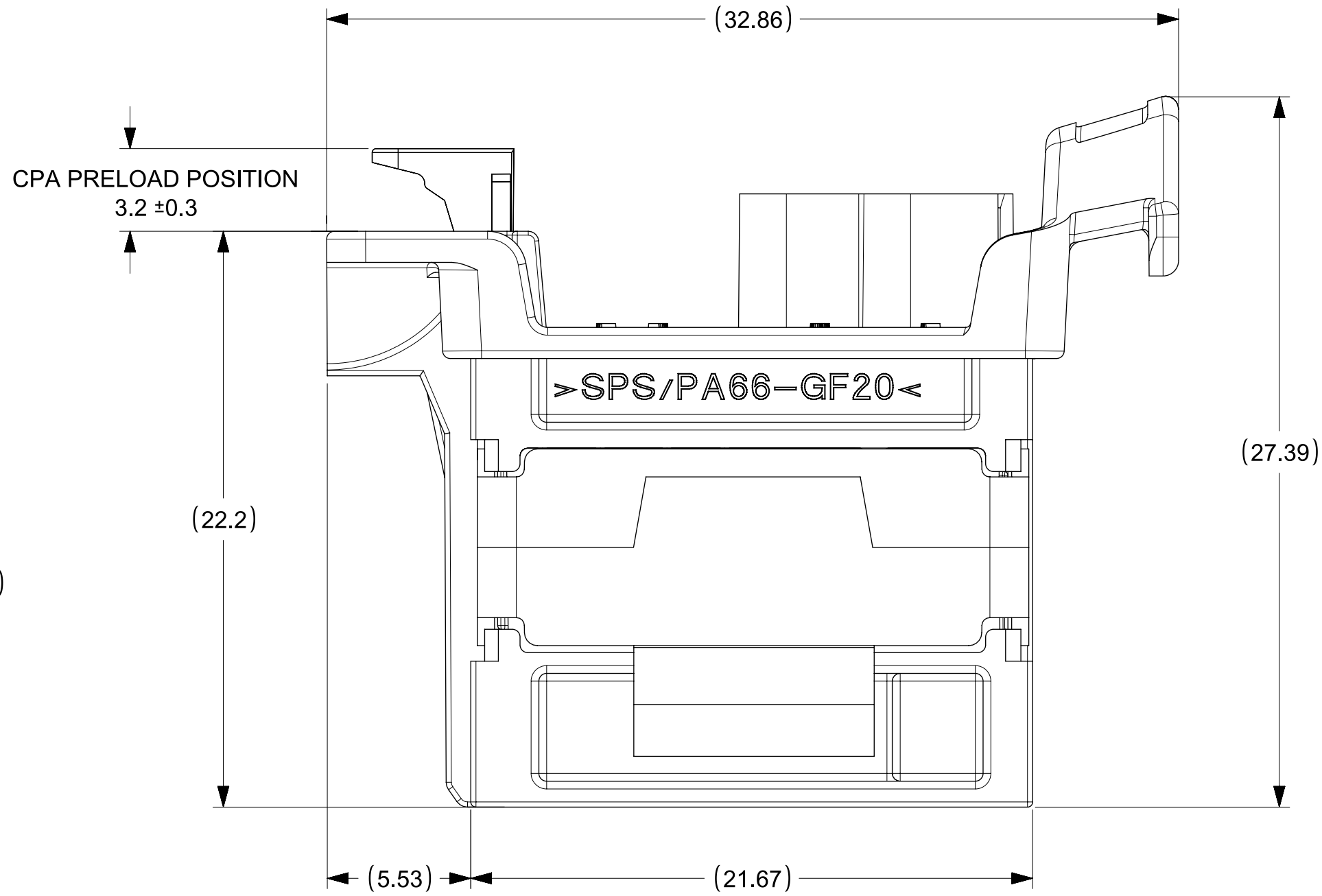
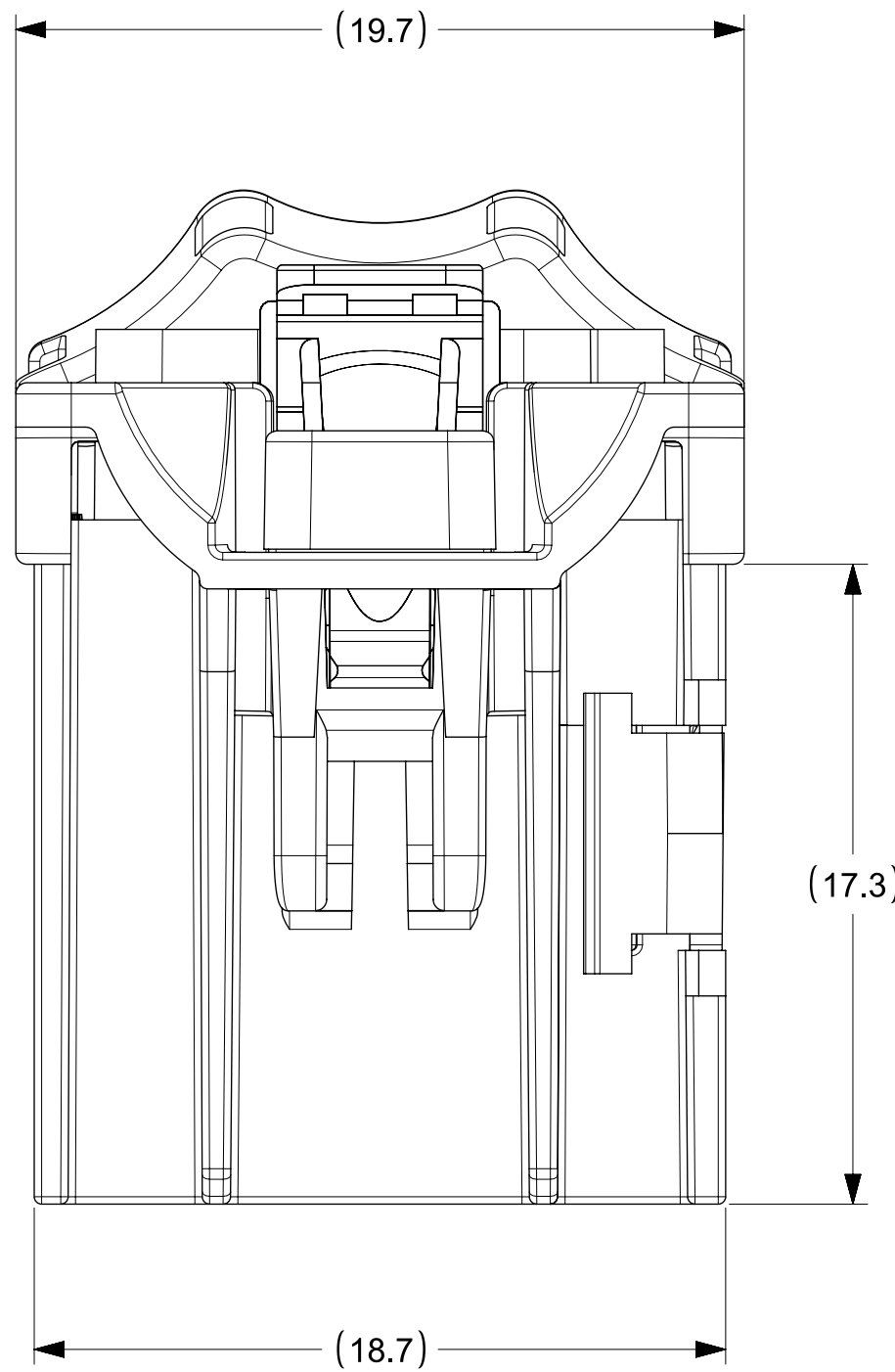
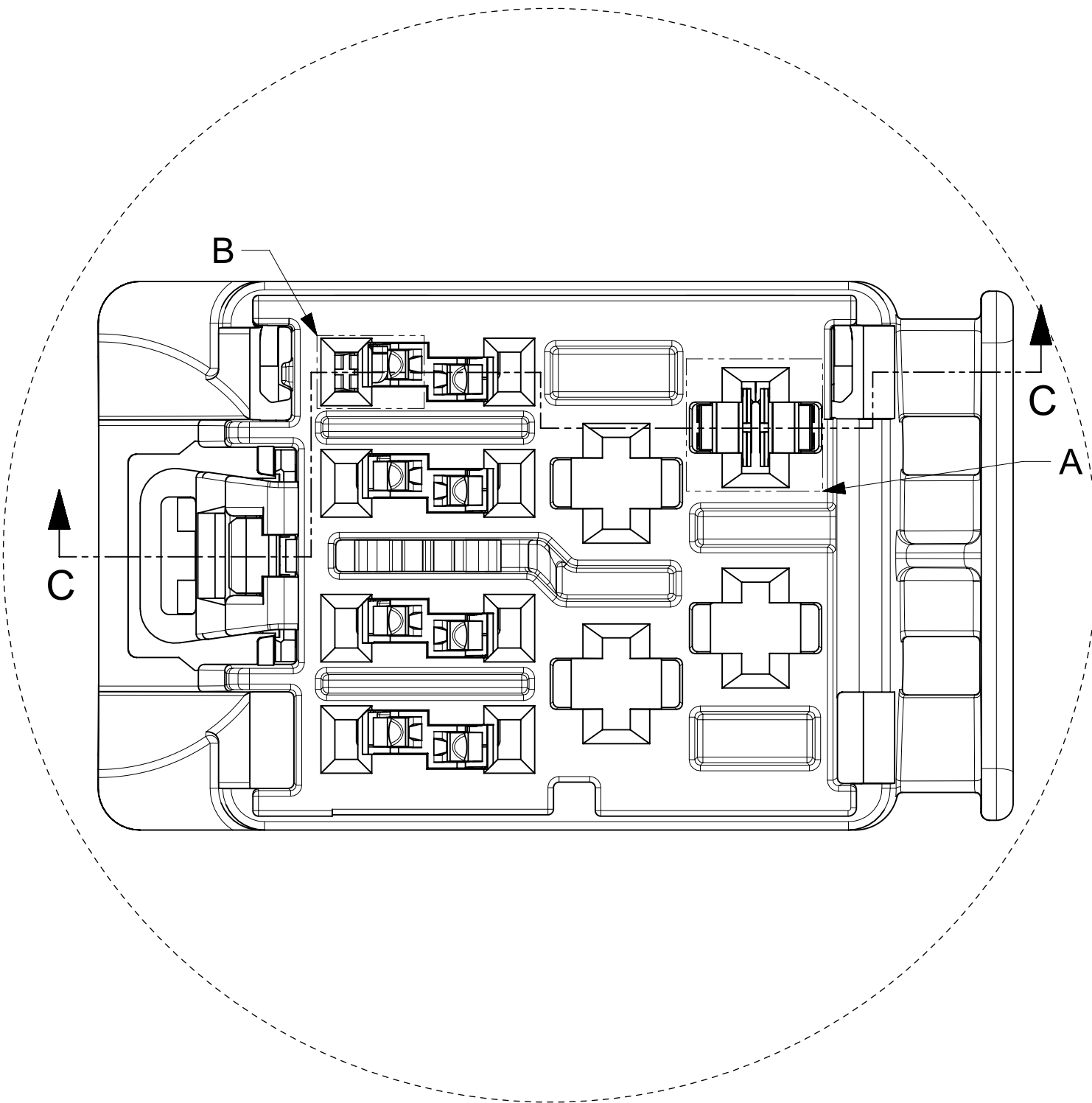
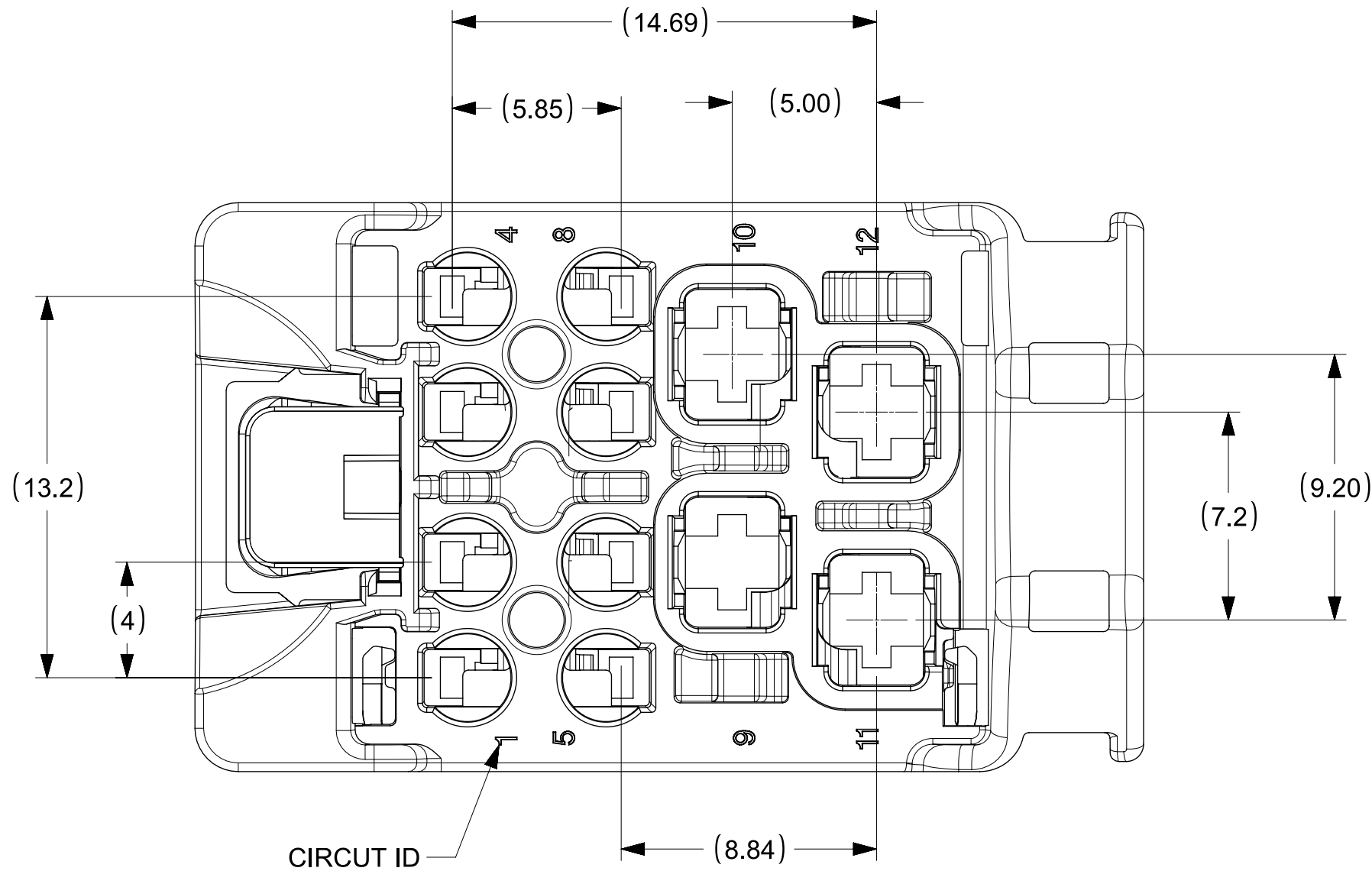
SECTION C-C
TERMINALS, ISL, AND CPA SHOWN IN CLOSED POSITION

LASER ETCH
DATE CODE AND
ASSEMBLY LINE

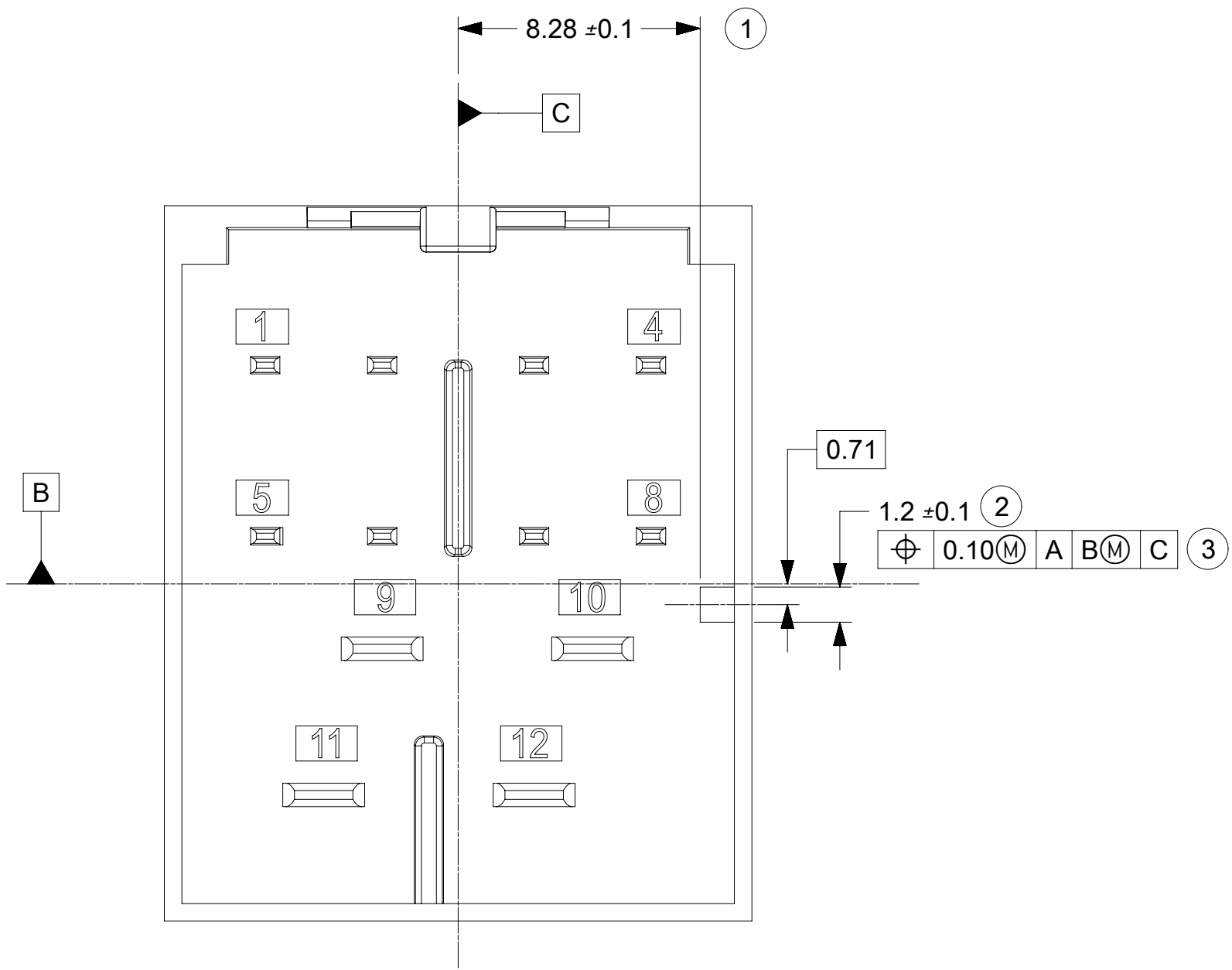
YYDDD
HHMMSS_X

1.17 ±0.30
ISL IN OPEN
POSITION

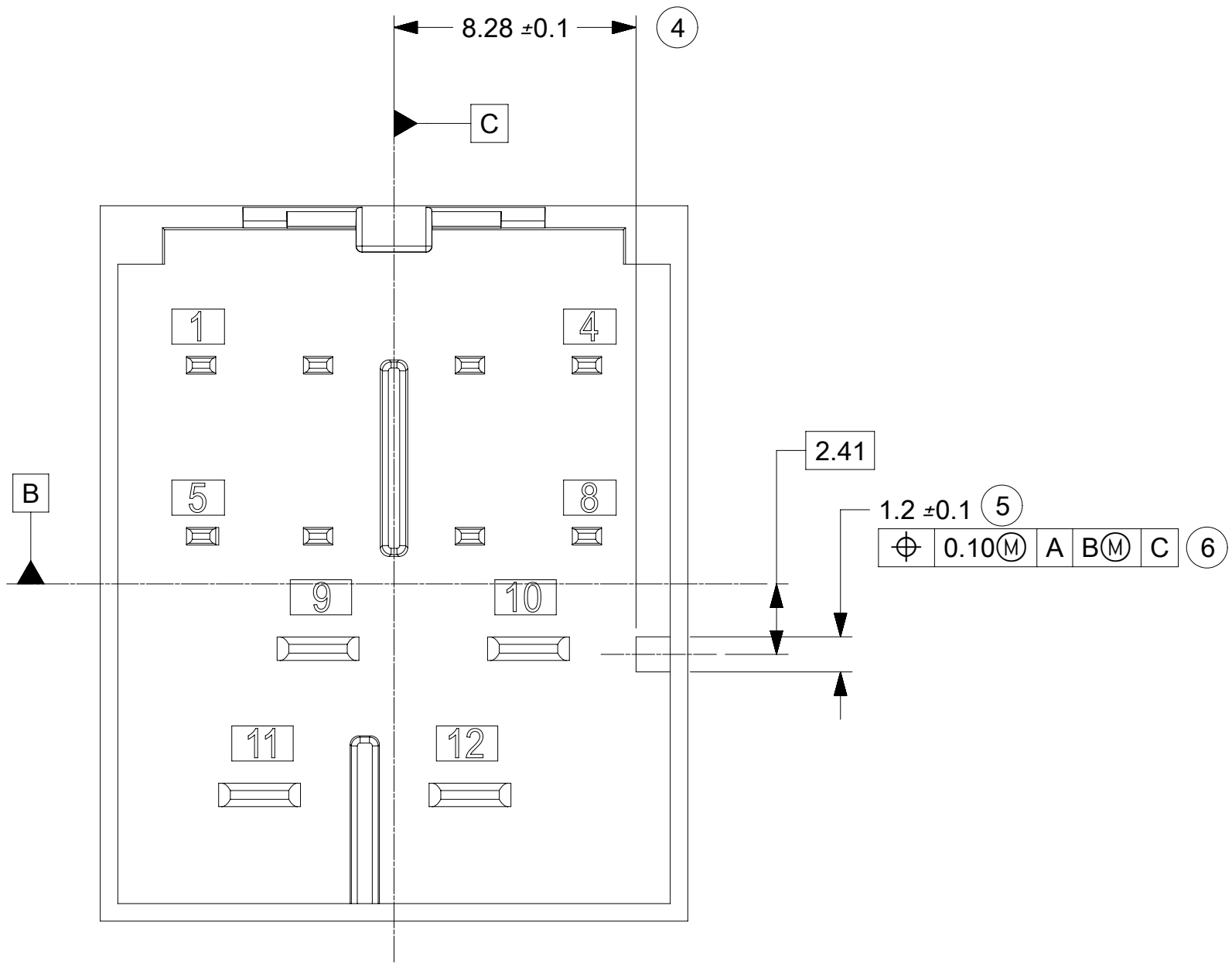
ISL IN CLOSED
POSITION



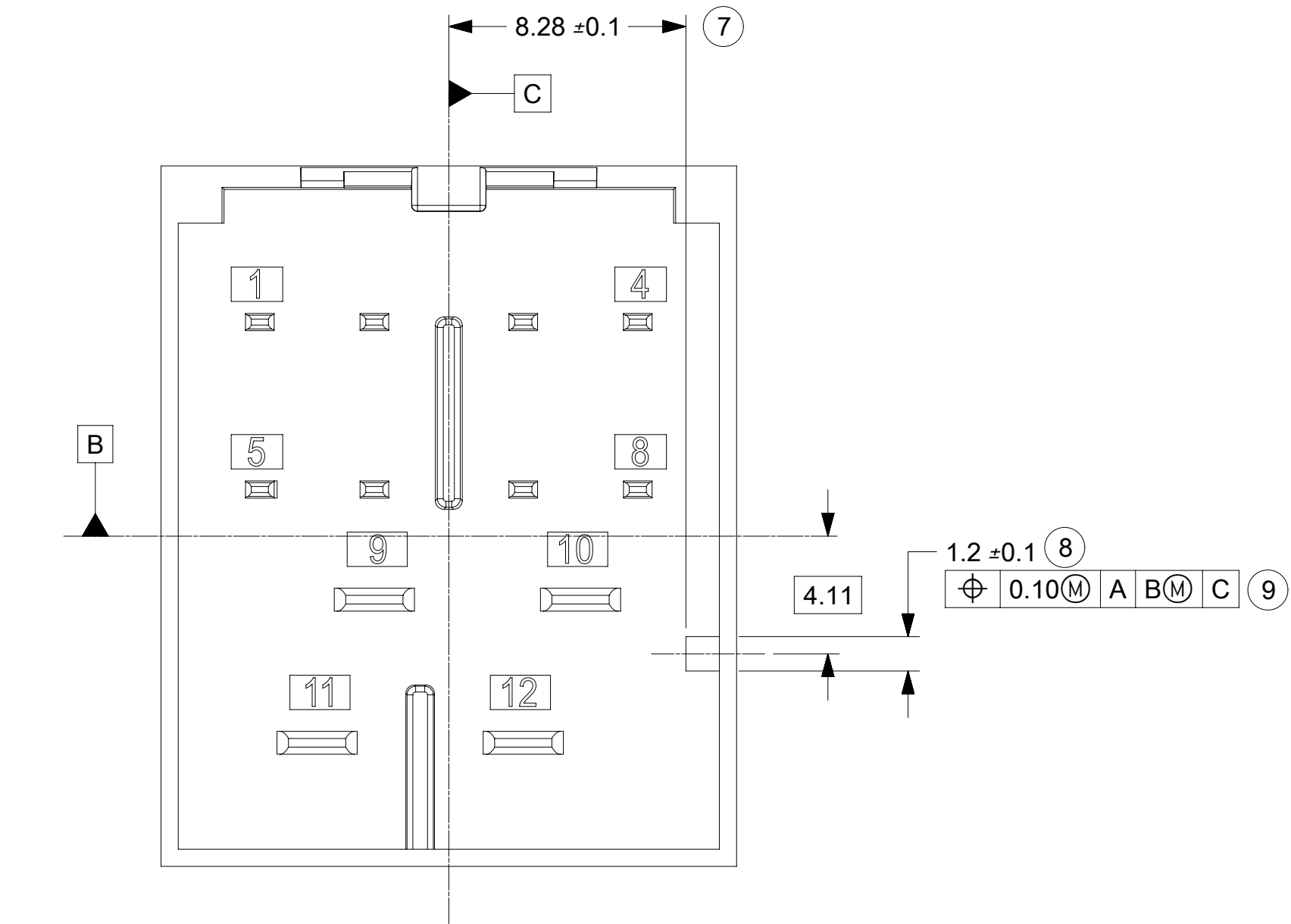
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																							
F A = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC: SEE REVISION SHEET					molex														
	mm		5:1																					
	GENERAL TOLERANCES (UNLESS SPECIFIED)																							
F C = 0	ANGULAR TOL ± 3.0°				PHASE: CO NO: DRWN: Skyla Tang 2024-08-01 CHK'D: Yann Chen 2024-08-02 APPR: Ringo Hu 2024-08-06					12WAY STAK50H HYBRID CONNECTOR ASSEMBLY														
F P = 0		4 PLACES ±																						
3 PLACES ±																								
DIVISIONAL SYMBOLS	2 PLACES ± 0.300		INITIAL REVISION: DRWN: RFC_PLMIMP APPR:					PRODUCT CUSTOMER DRAWING																
	1 PLACE ± 0.30																							
	0 PLACES ± 0.30																							
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS												THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
															D-SIZE		160026				GENERAL MARKET		2 OF 2	



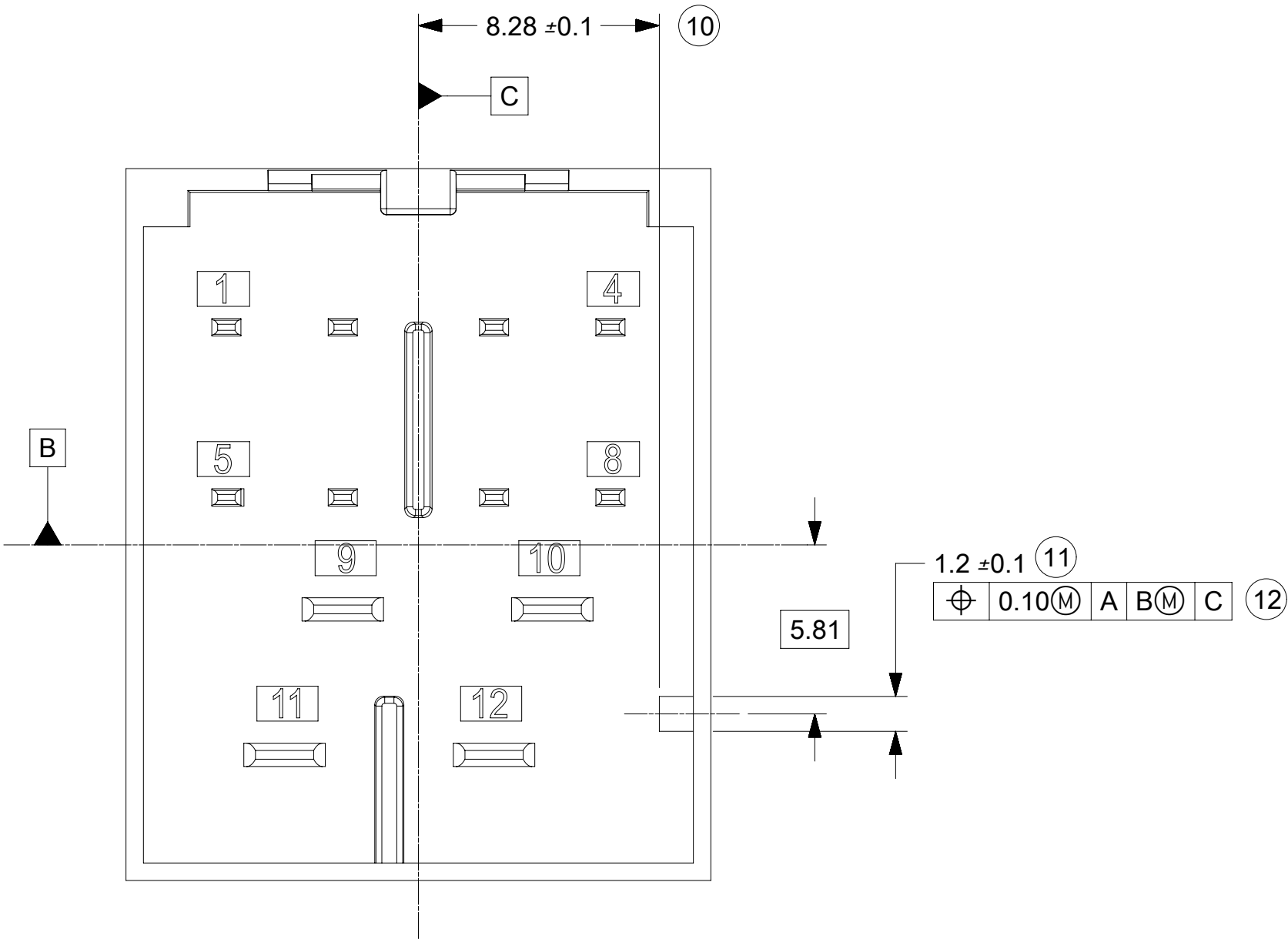
INTERFACE KEY #1
MATING CONNECTOR : BLACK



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

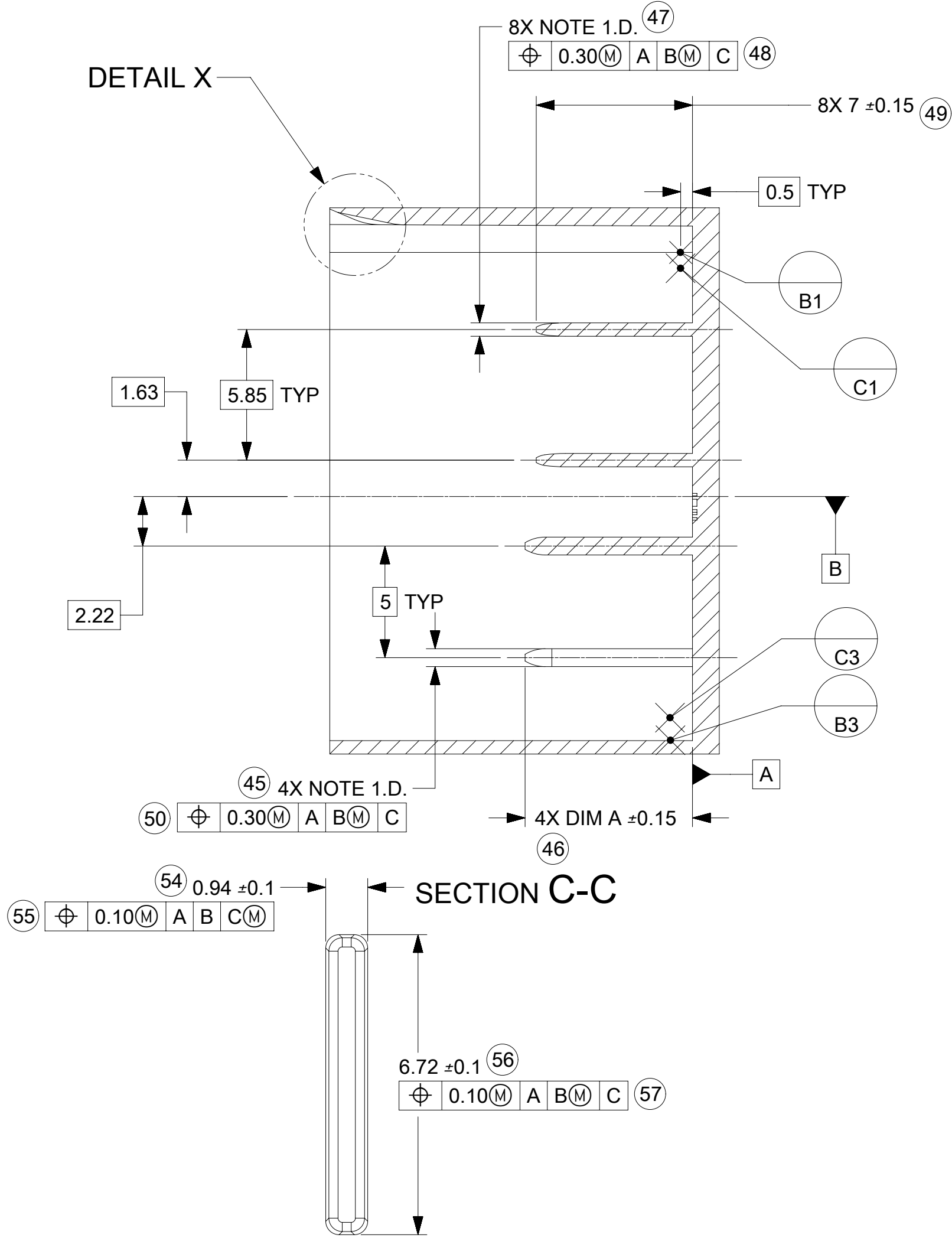
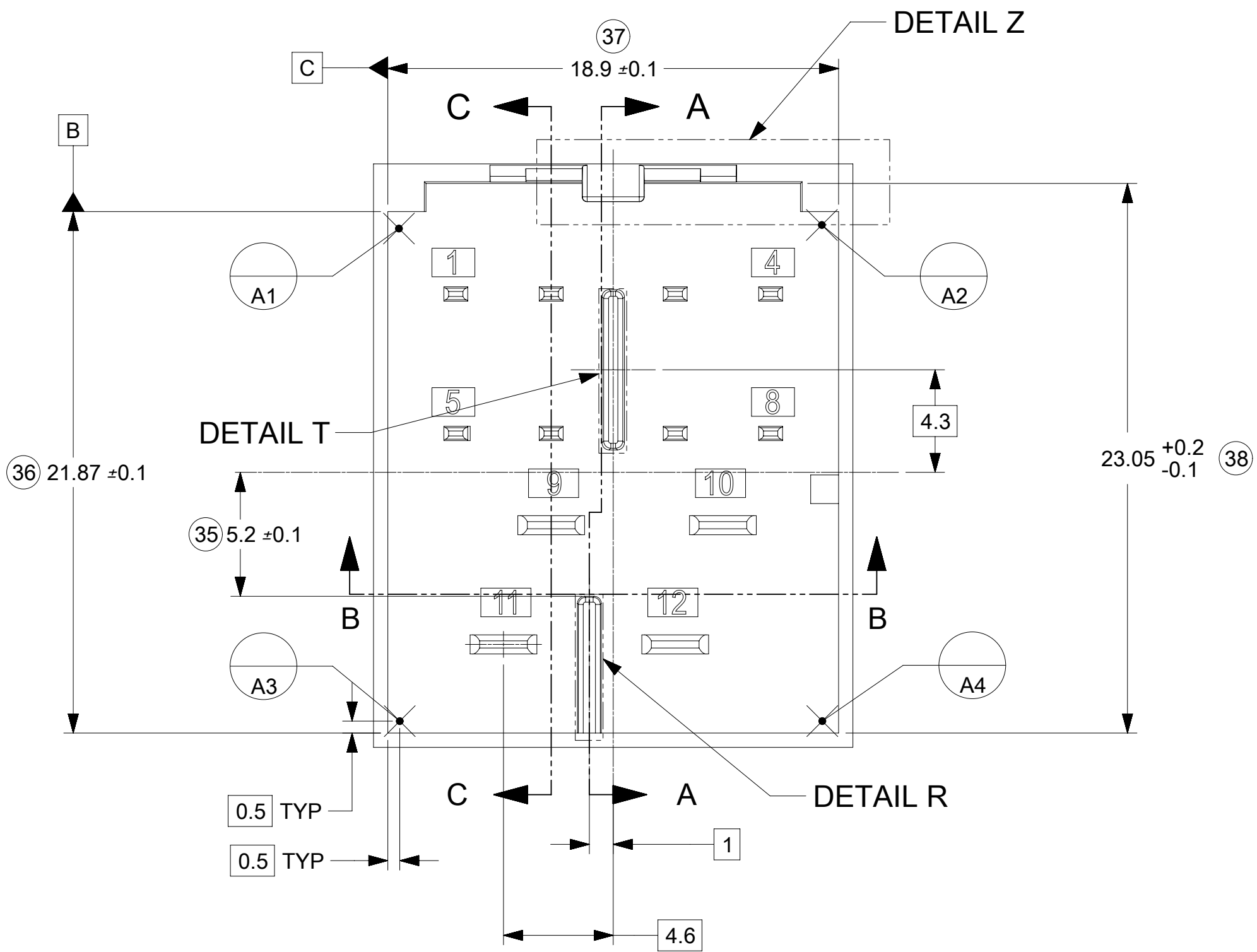
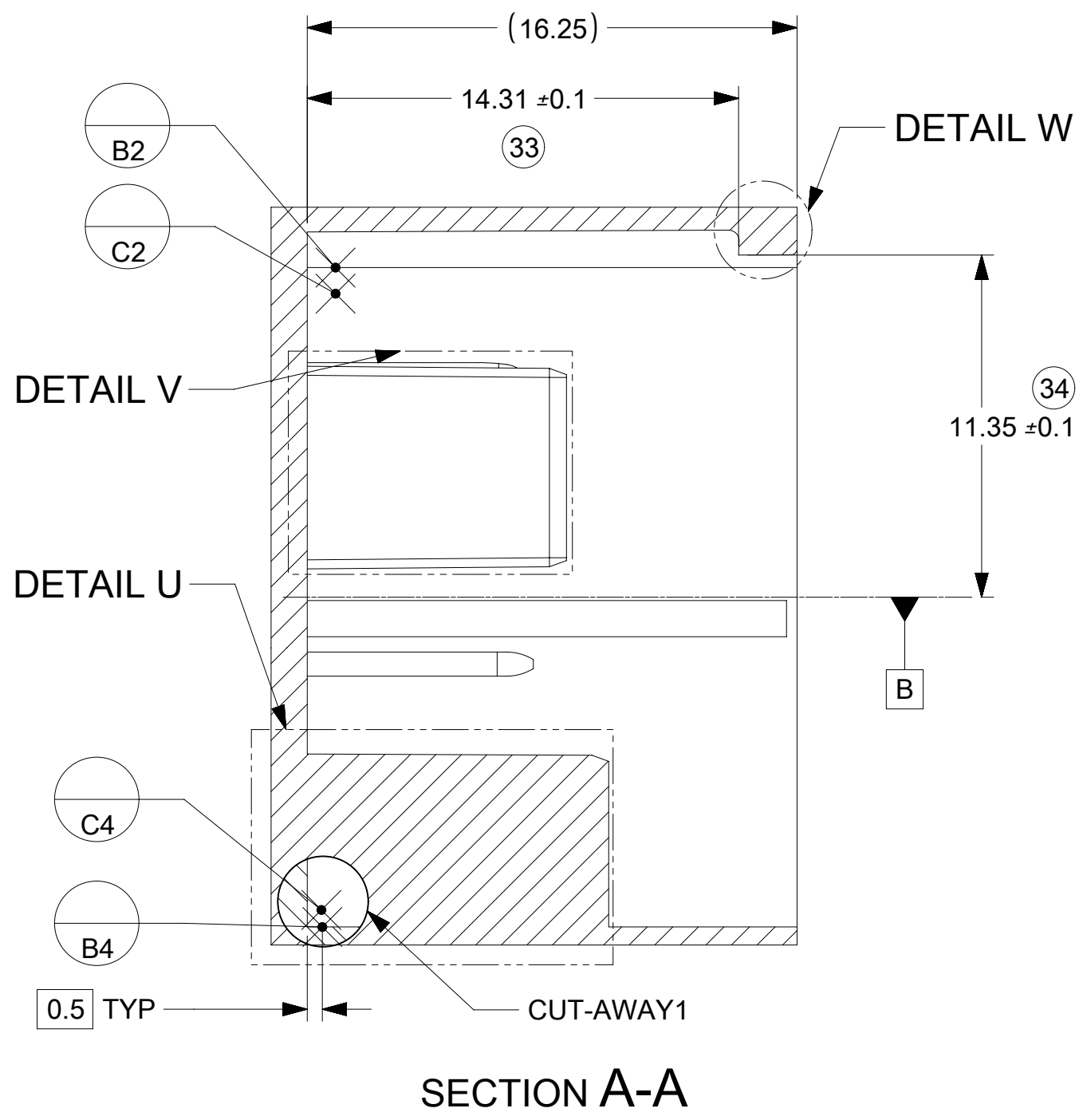
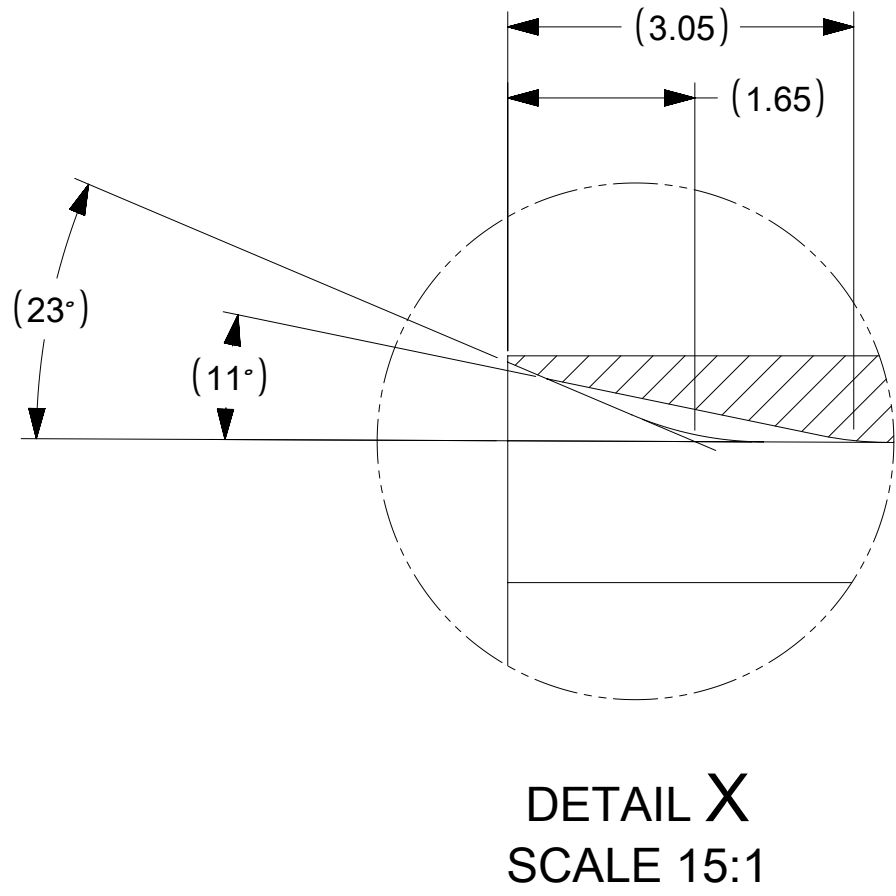
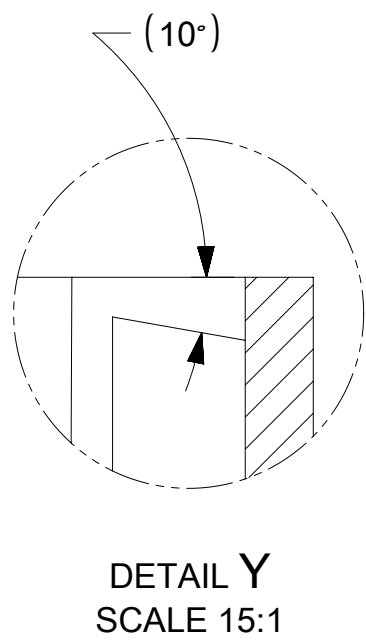
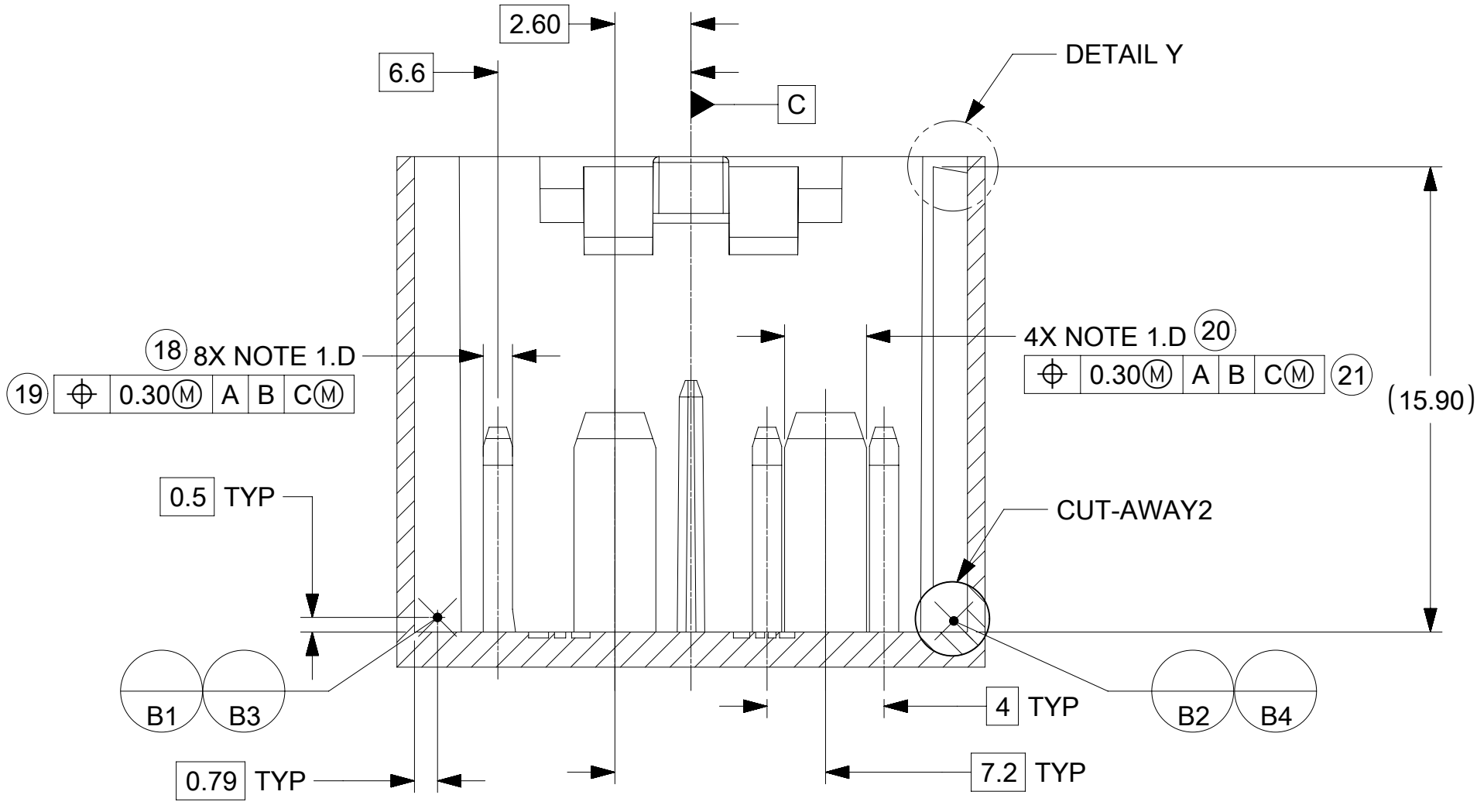
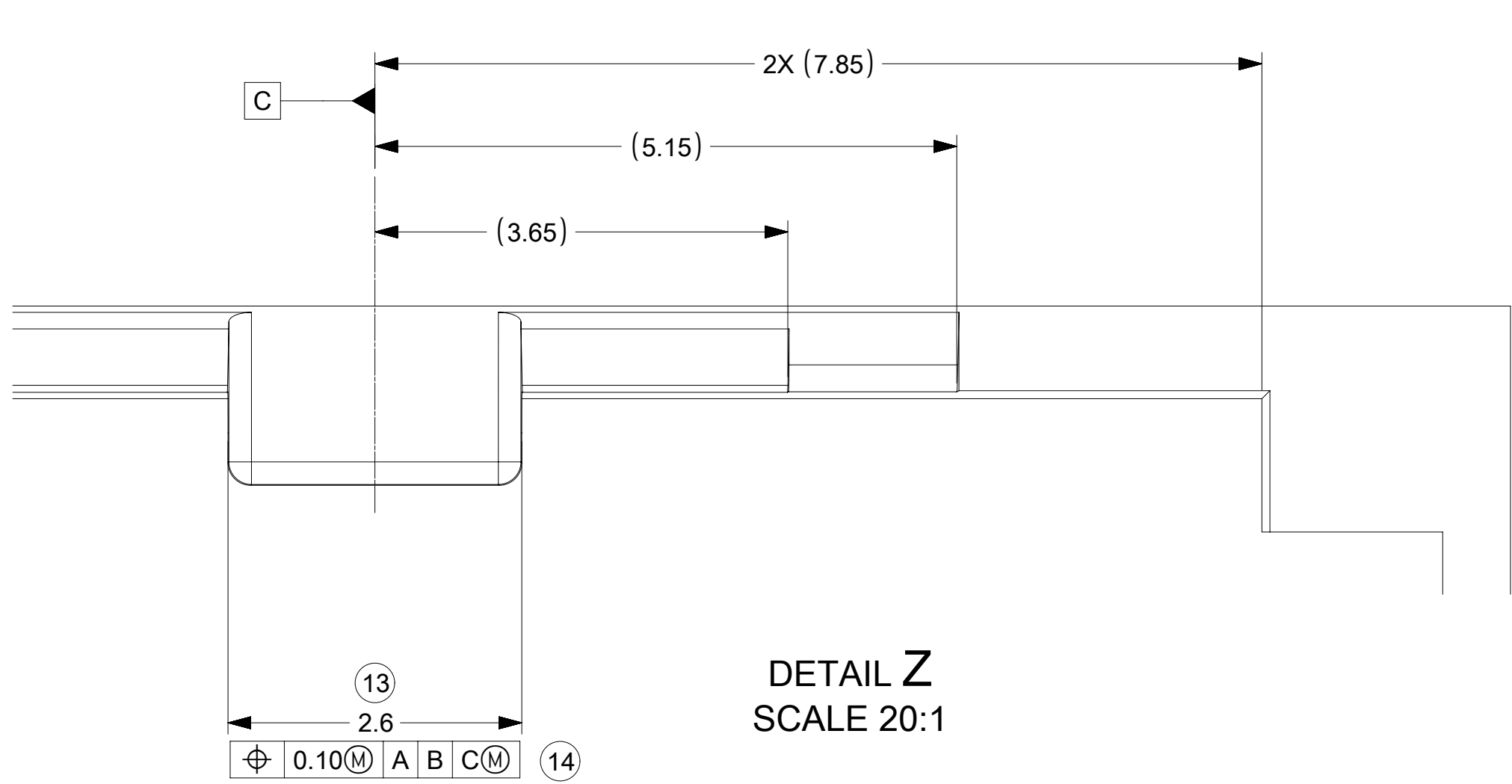
2. DRAWING - GEOMETRY:
- a. ALL GRAPHIC DATA IS BASIC (NO TOLERANCE) AND MUST BE TAKEN FROM THE DATA FILE AT ITS LATEST REVISION.
 - b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M-2009.
 - c. GENERAL TOLERANCES:
LINEAR : PER DIN 16901 LINEAR CODE B FOR PRECISION ENGINEERING
ANGULAR : ±3°
 - d. 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

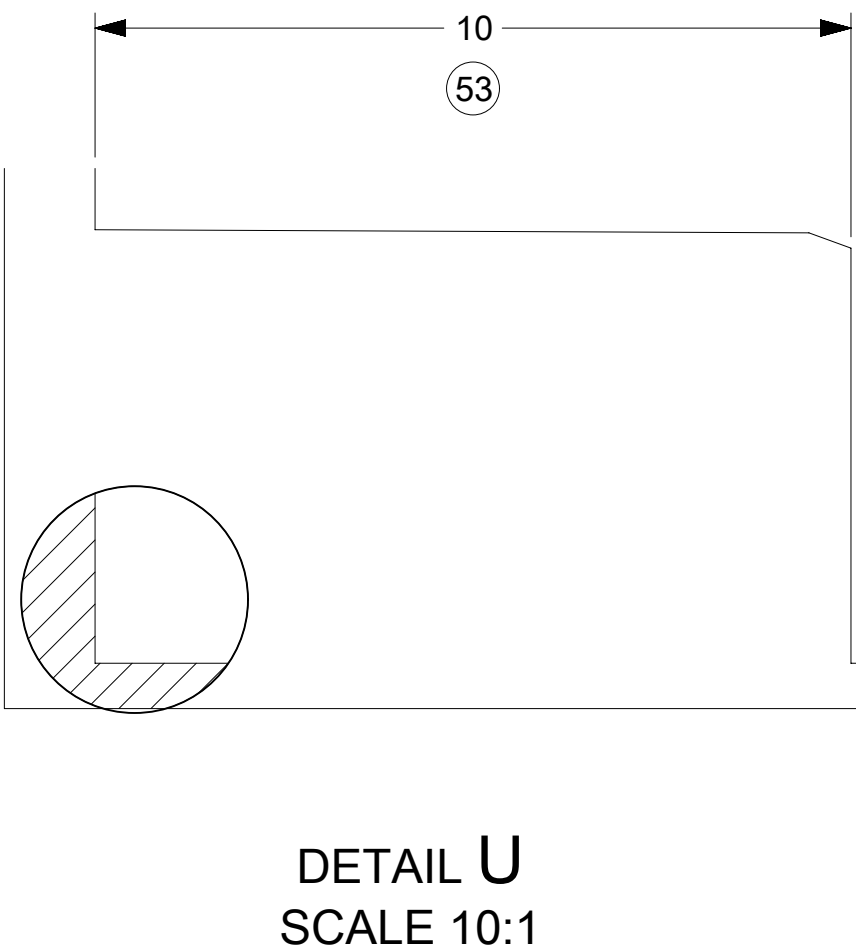
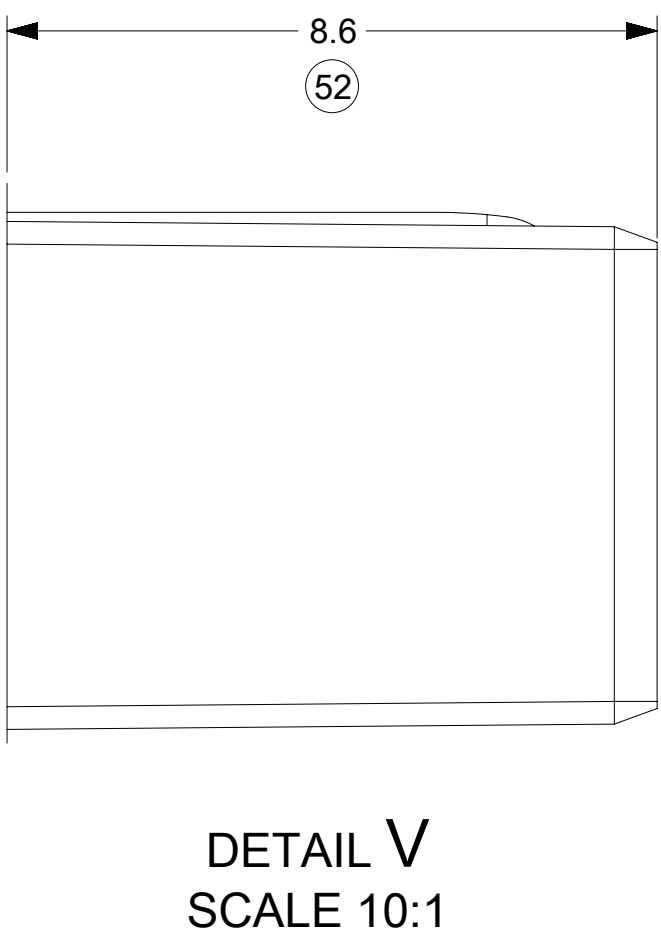
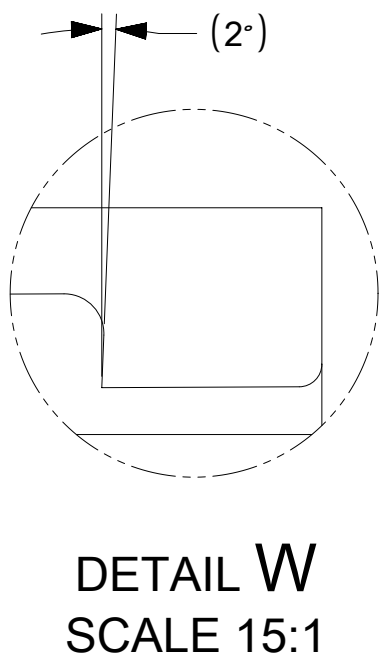
SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
= 0	DIMENSION UNITS	SCALE	CURRENT REV DESC: ADDED 2.8MM BLADE LENGTH VARIANT FOR MATE FORCE REQUIREMENT ADDED NOTE 1.E.1		
= 0	GENERAL TOLERANCES (UNLESS 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	REVISION	
SD-160026-002		PSD	000	C	
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

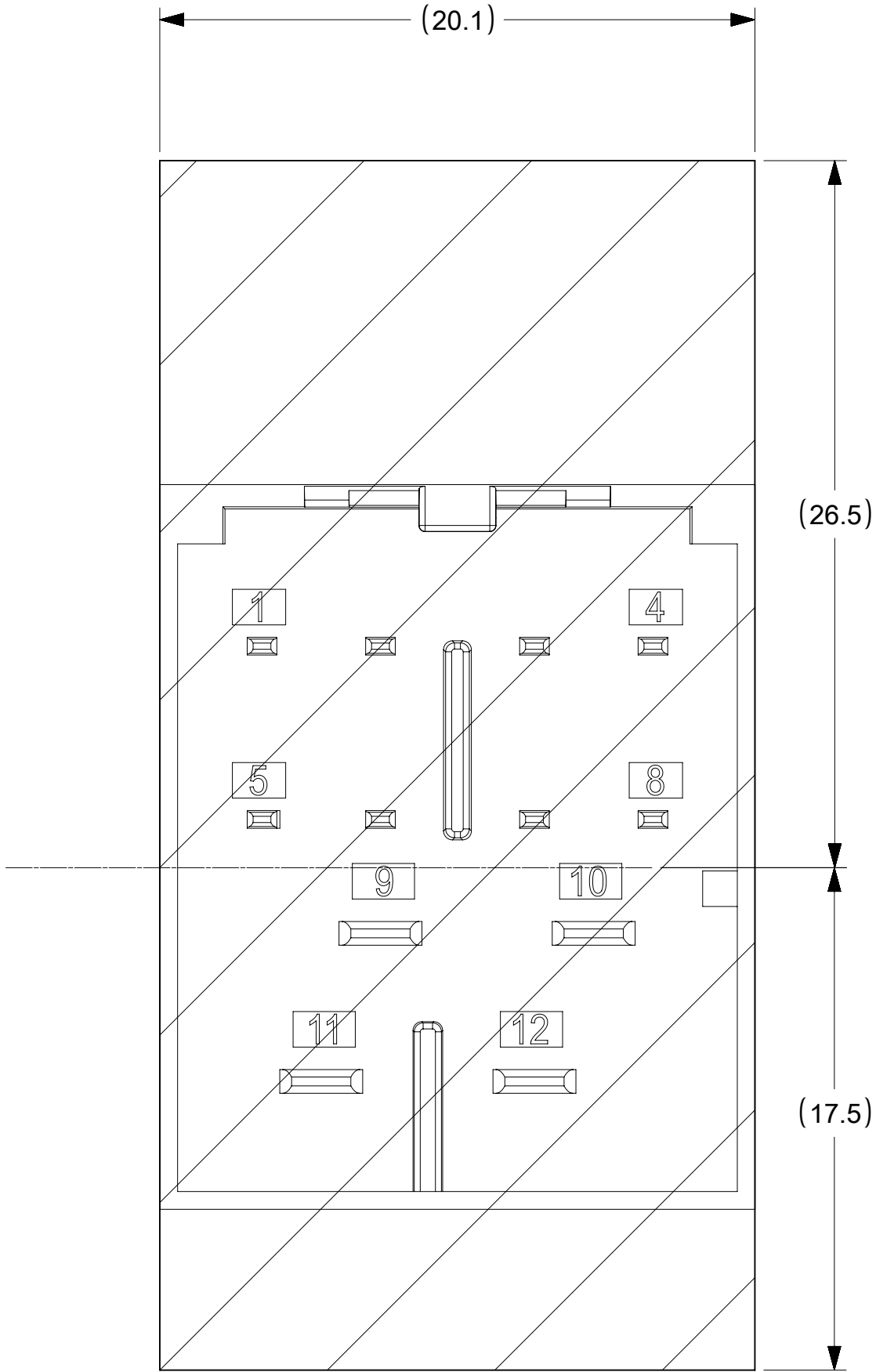
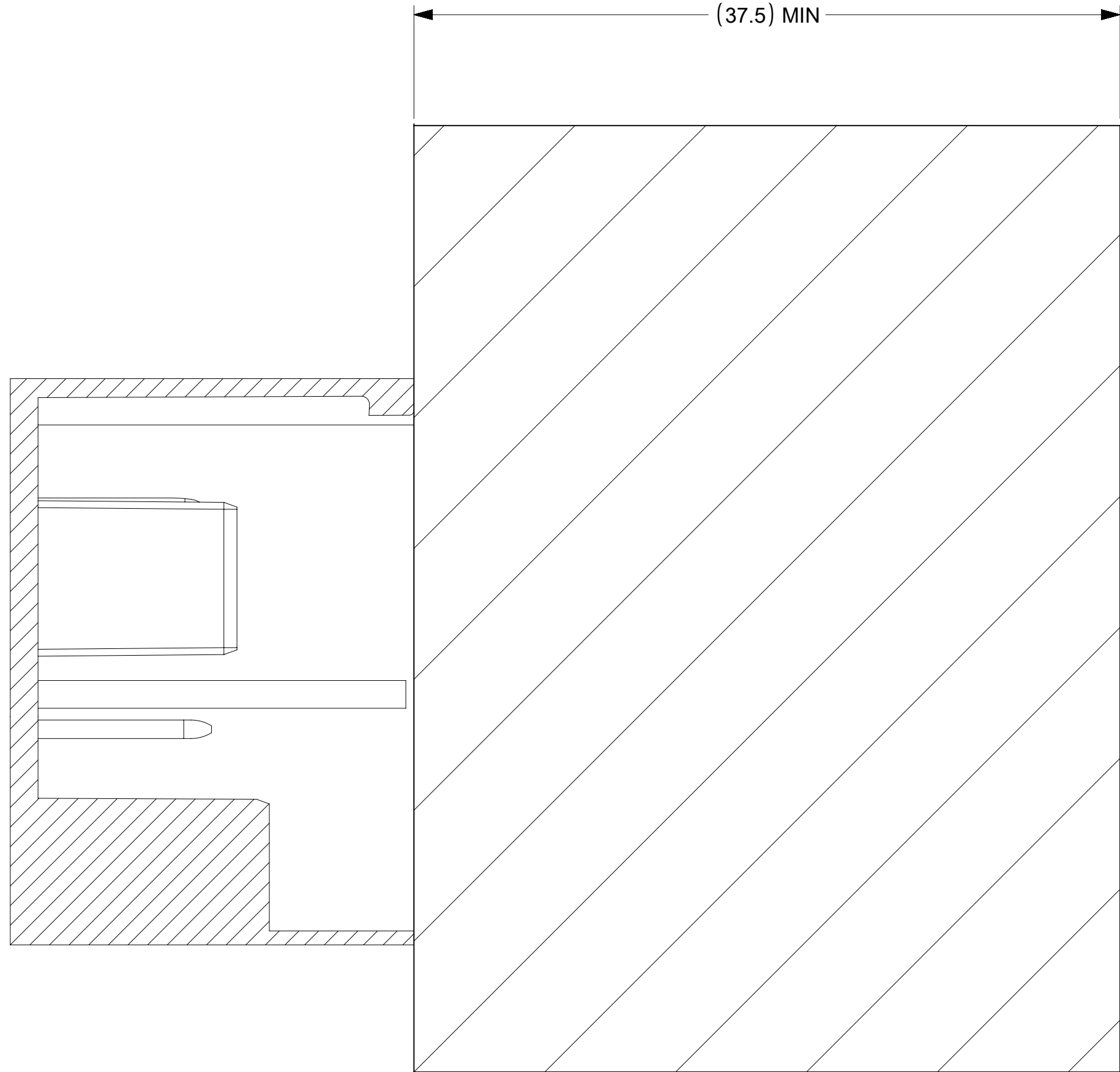


DETAIL T
SCALE 10:1

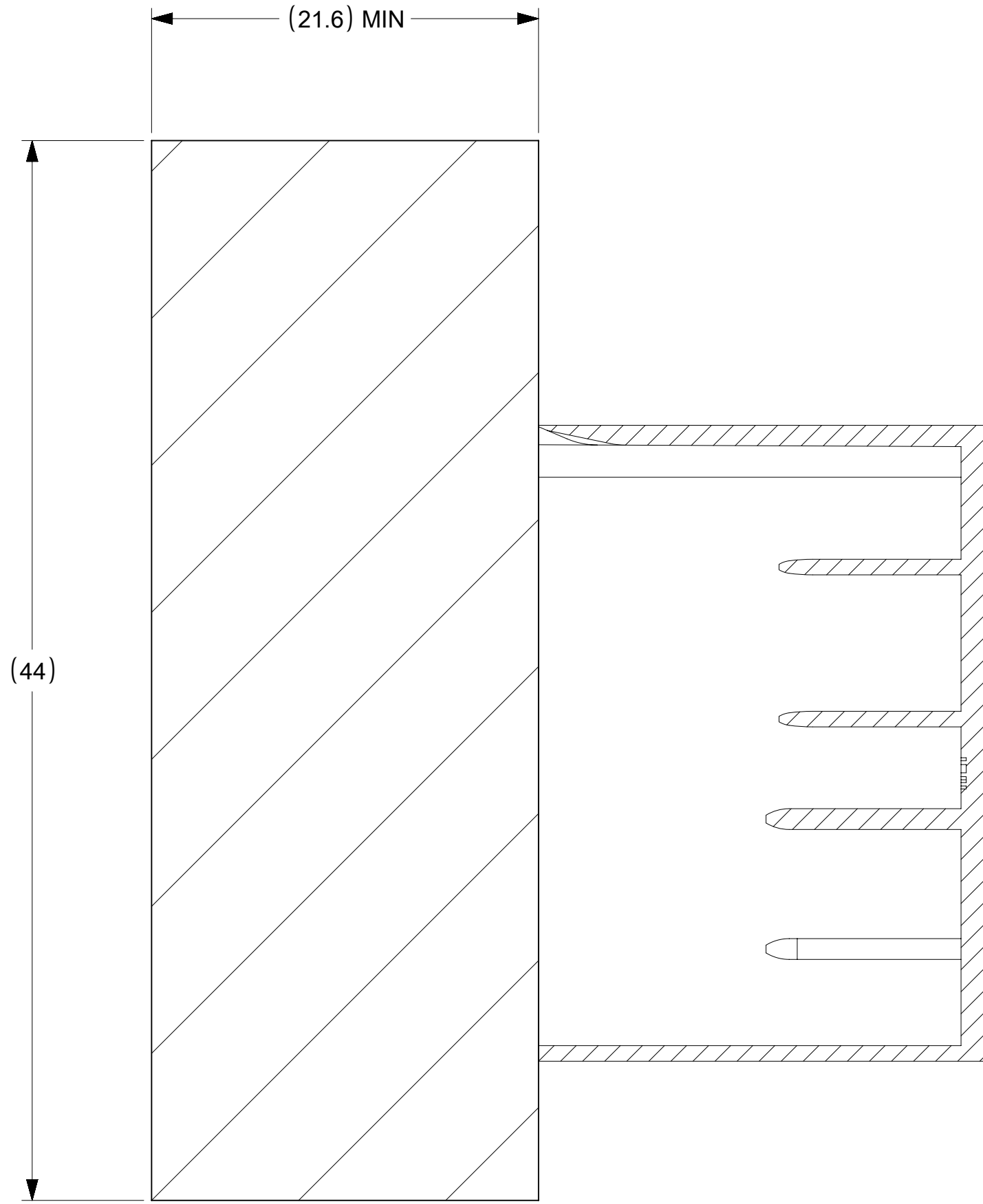
DETAIL R
SCALE 10:1

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
EC NO: 626144 DRWN: JCONDON 2019/10/08 CHK'D: DLANGOLF 2019/10/22 APPR: JCONDON 2019/10/23 INITIAL REVISION: DRWN: SPEMMARAJU 2015/10/27 APPR: KDEKOSKI 2016/03/24			
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	2 OF 3

← (37.5) MIN →



← (21.6) MIN →



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: ADDED 2.8MM BLADE LENGTH VARIANT FOR MATE FORCE REQUIREMENT ADDED NOTE 1.E.1				molex							
mm															
	= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 626144				12WAY STAK50H INTERFACE DRAWING							
	= 0														
	= 0														
ANGULAR TOL		±		DRWN: JCONDON 2019/10/08 CHK'D: DLANGOLF 2019/10/22 APPR: JCONDON 2019/10/23				PRODUCT CUSTOMER DRAWING							
4 PLACES		±													
3 PLACES		±													
2 PLACES		±		INITIAL REVISION: DRWN: SPEMMARAJU 2015/10/27 APPR: KDEKOSKI 2016/03/24				DOCUMENT NUMBER SD-160026-002		DOC TYPE PSD		DOC PART 000		REVISION C	
1 PLACE		±													
0 PLACES		±													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
				D-SIZE		160026				GENERAL MARKET		3 OF 3			