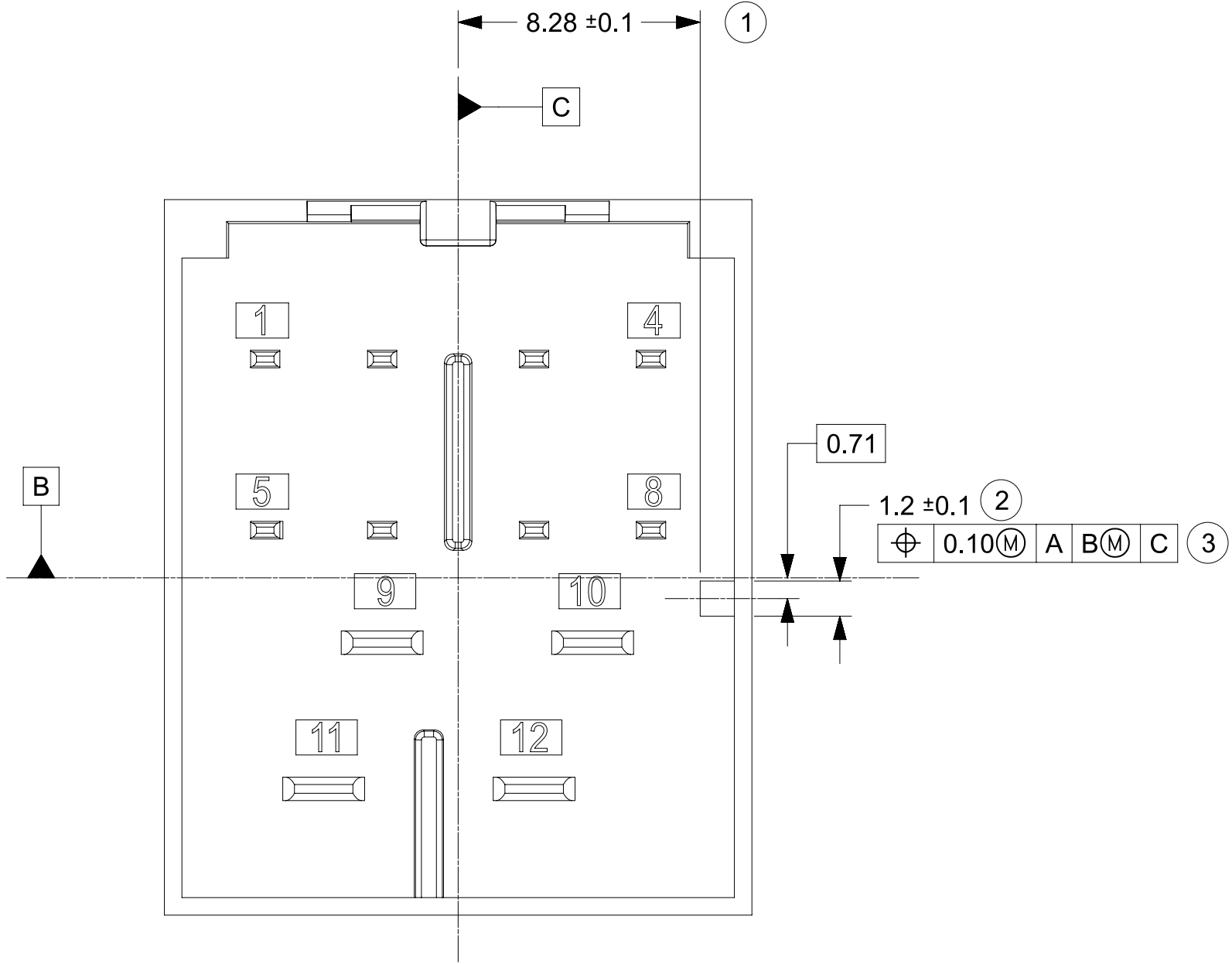
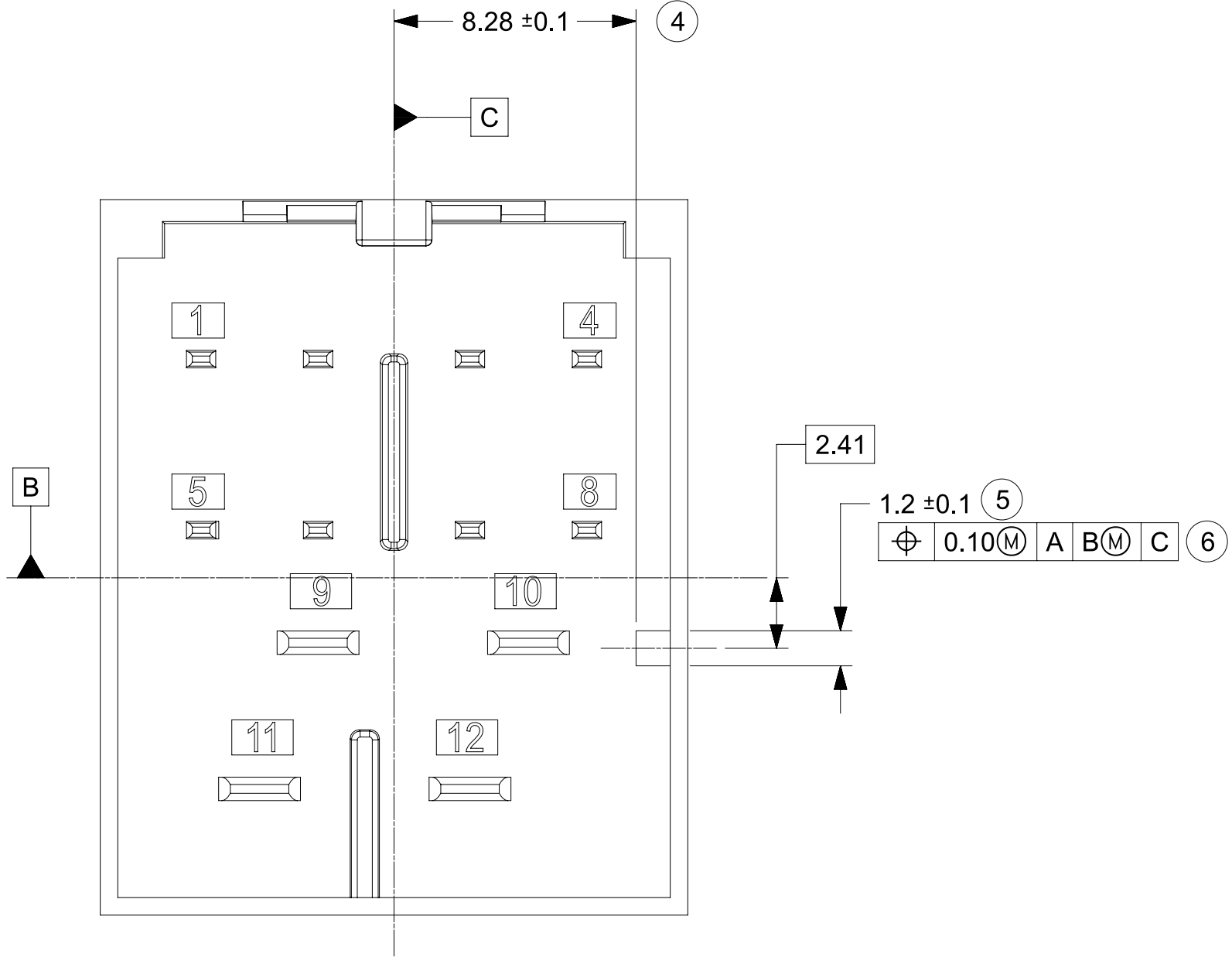
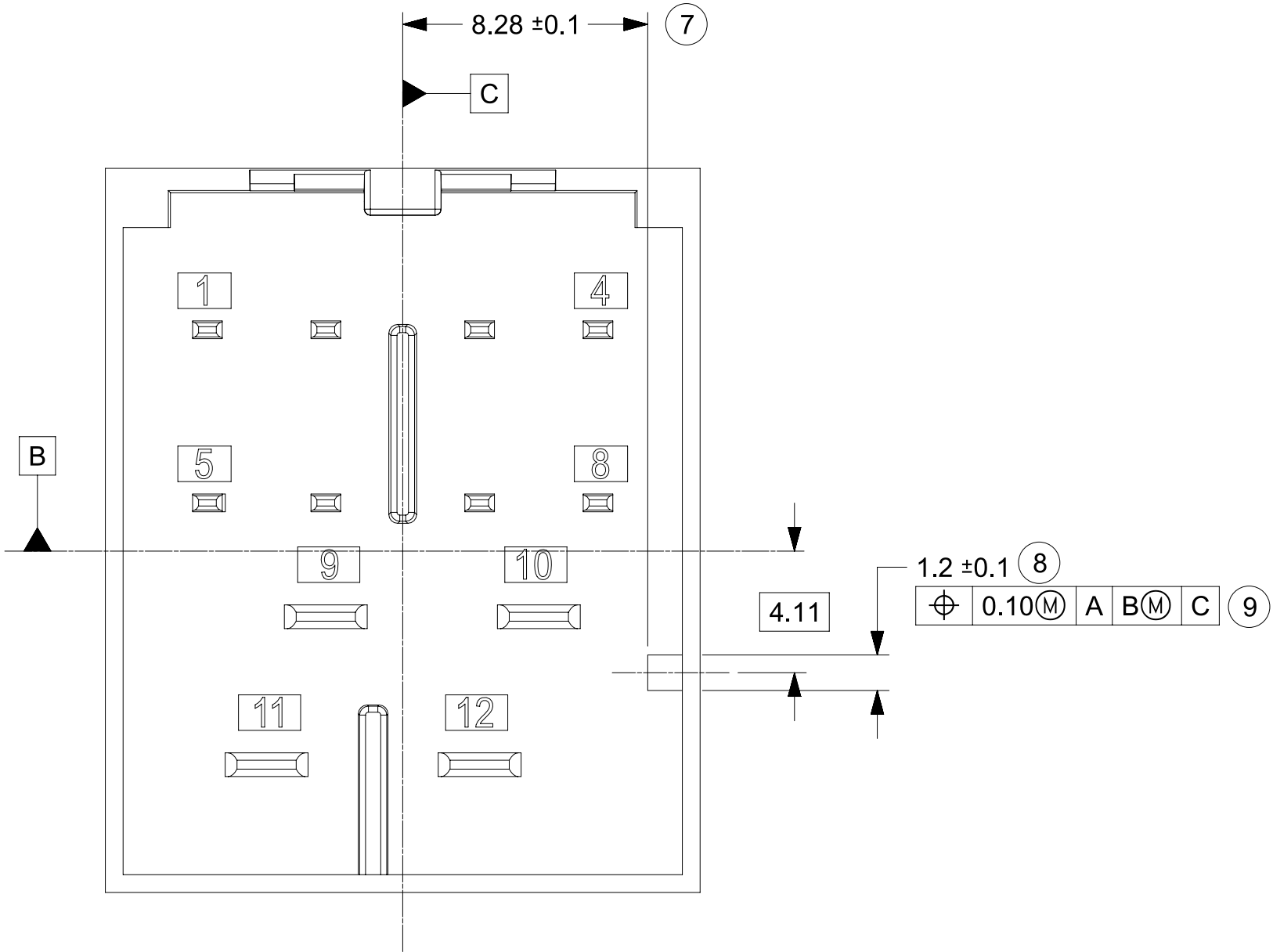




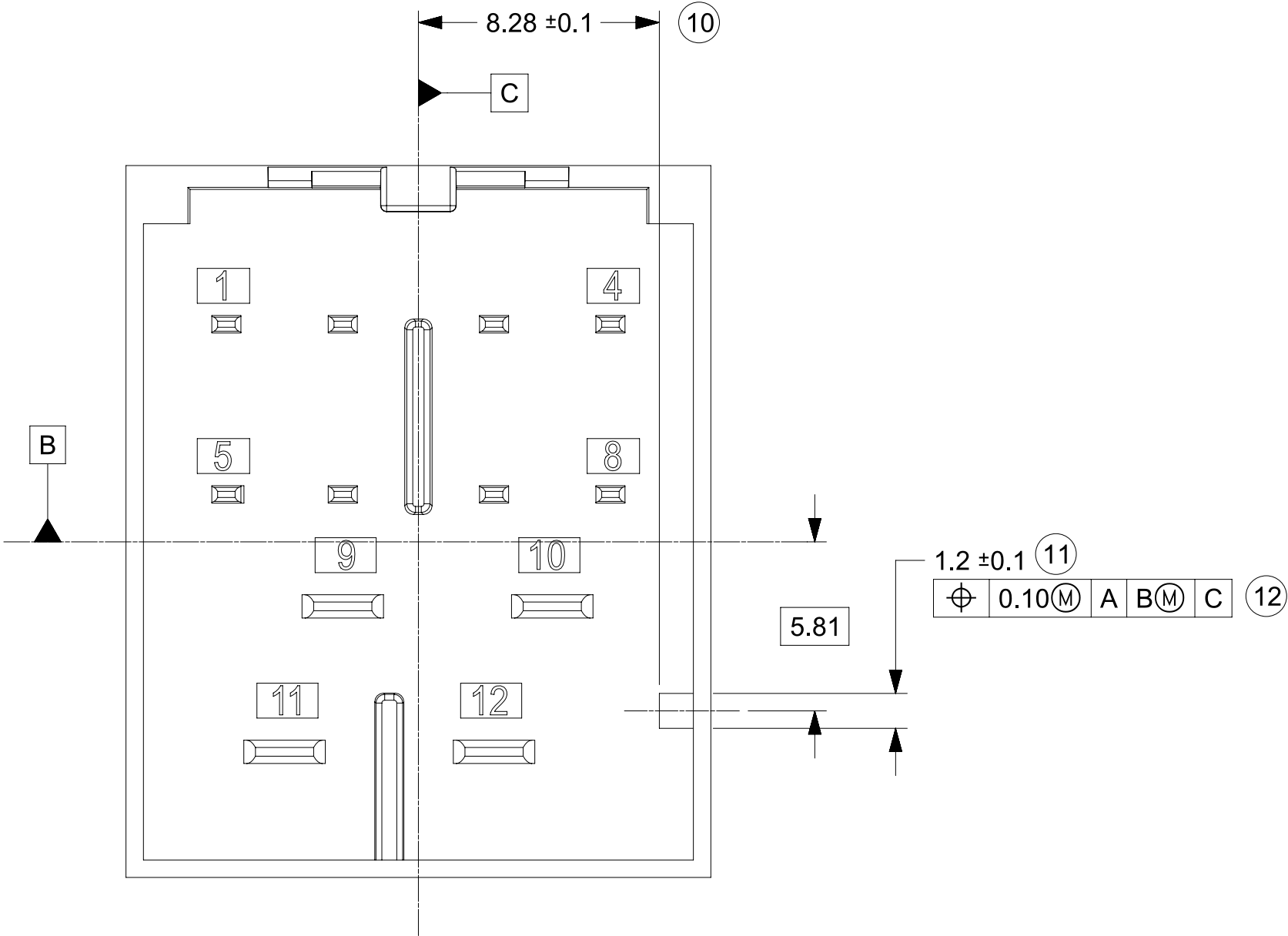
INTERFACE KEY #1
MATING CONNECTOR : BLACK



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 : COPPER ALLOY
- 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:

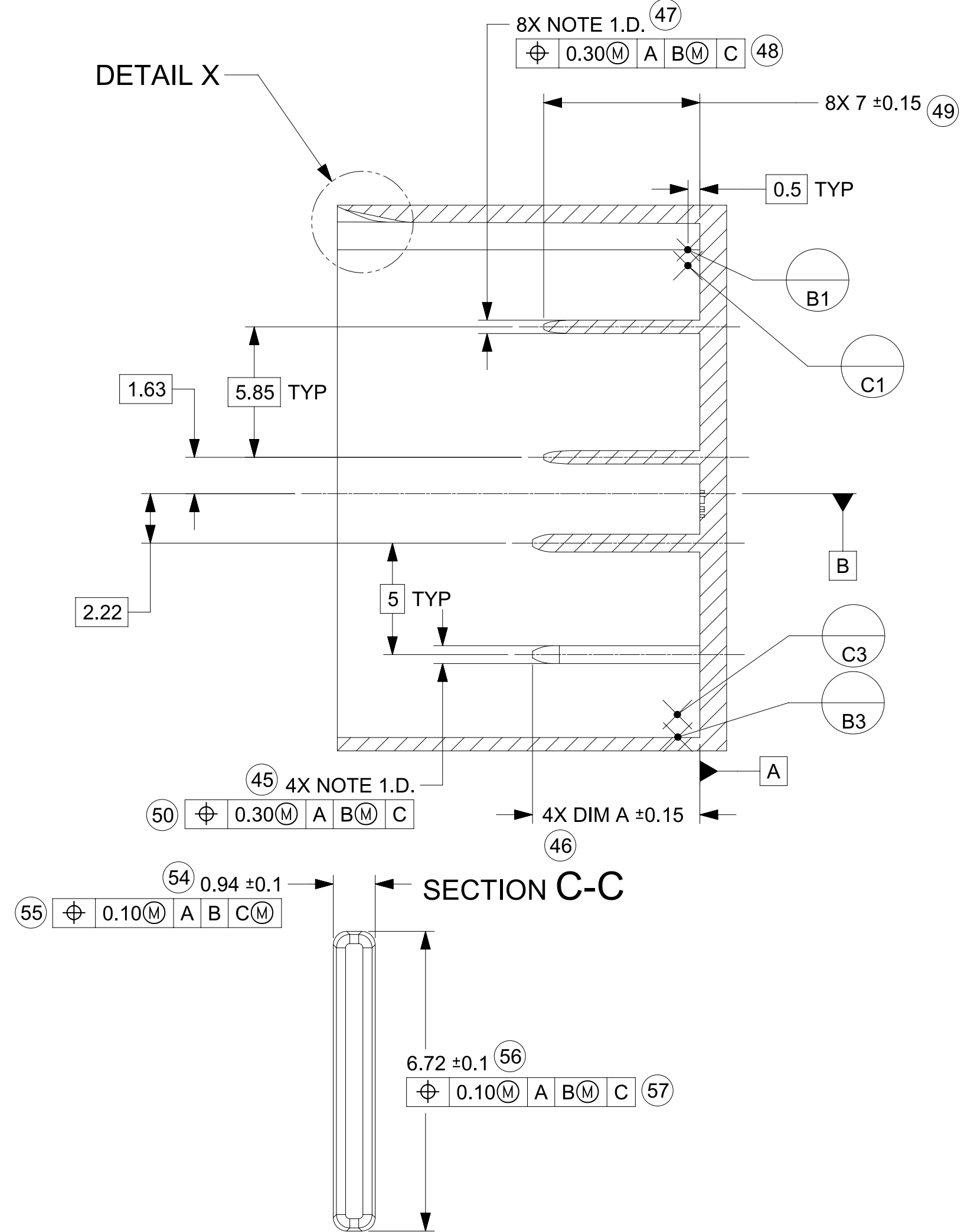
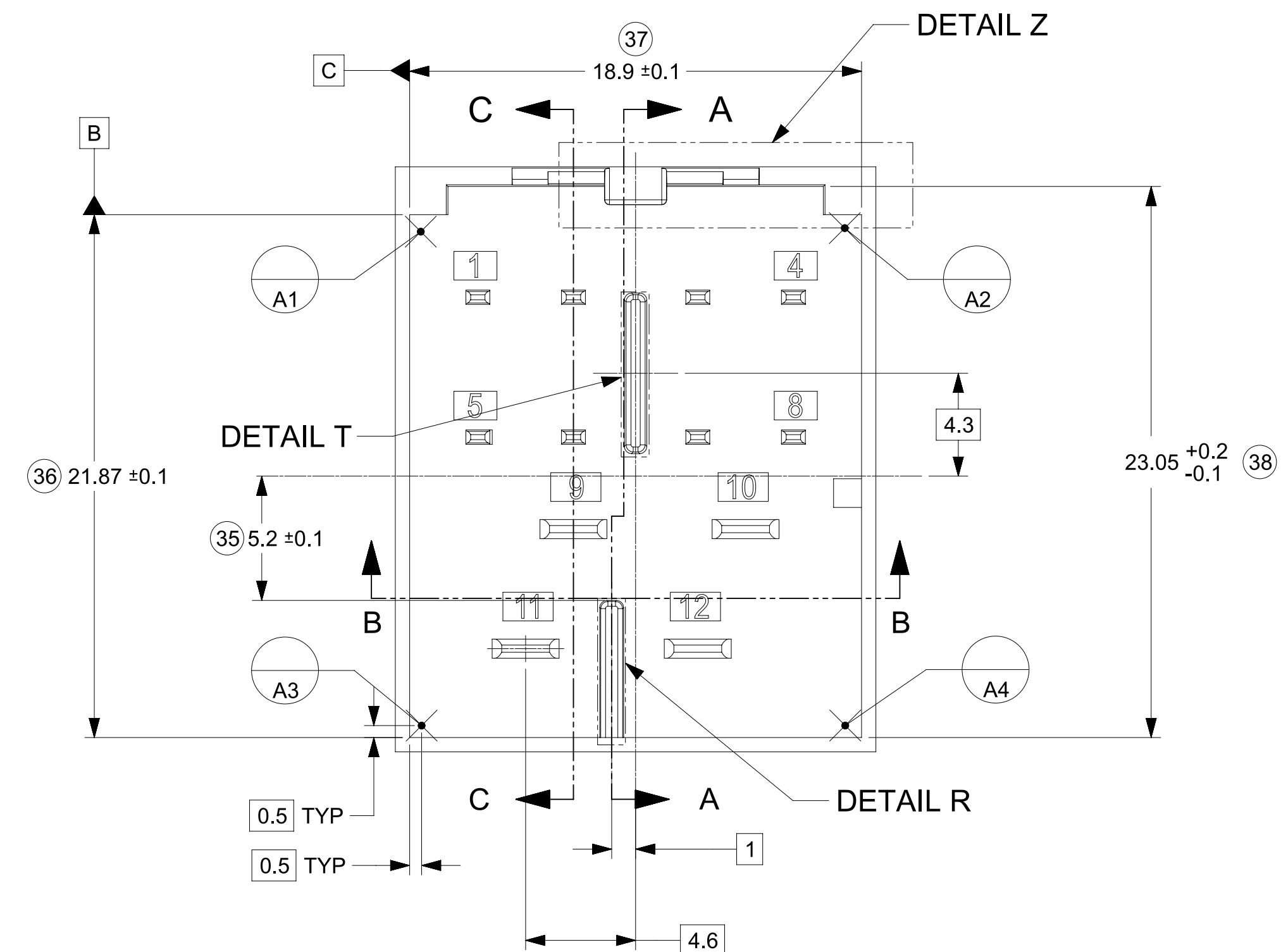
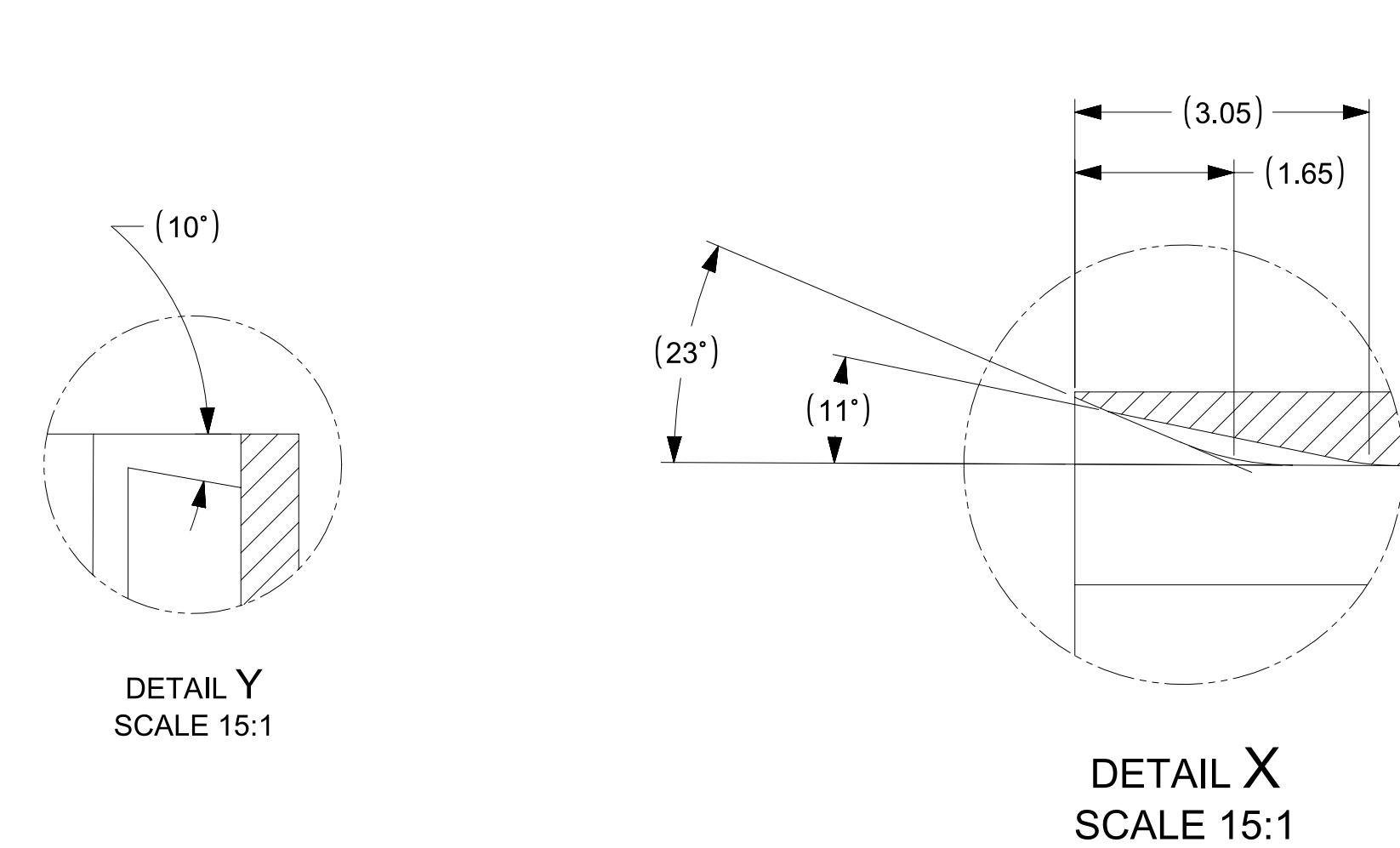
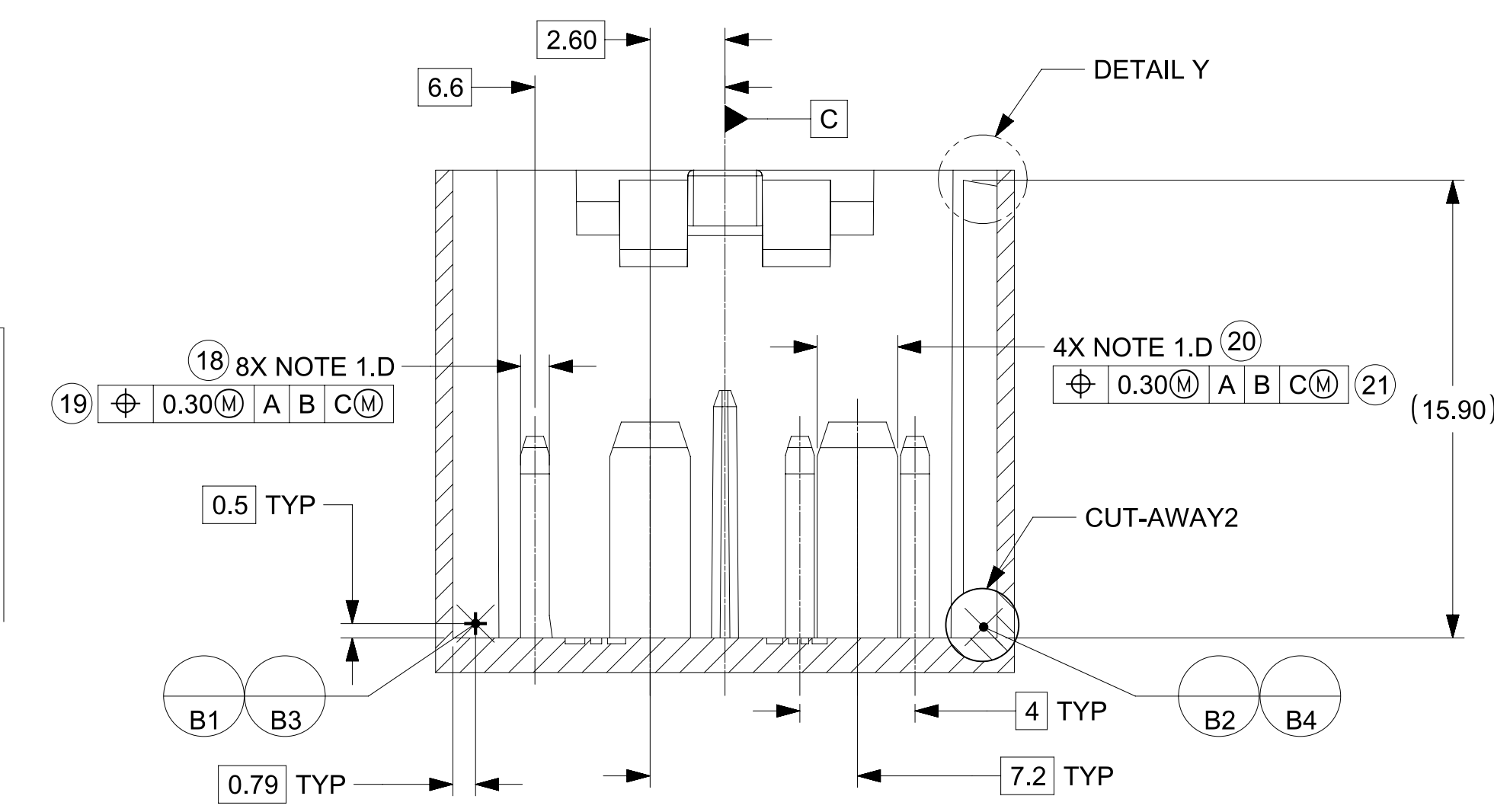
- a. ALL GRAPHIC DATA IS BASIC (NO TOLERANCE) AND MUST BE TAKEN FROM THE DATA FILE AT ITS LATEST REVISION.
- b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M-2009.
- c. GENERAL TOLERANCES:
LINEAR : PER DIN 16901 LINEAR CODE B FOR PRECISION ENGINEERING
ANGULAR : ±3°
- d. EDGES AND UNDIMENSIONED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

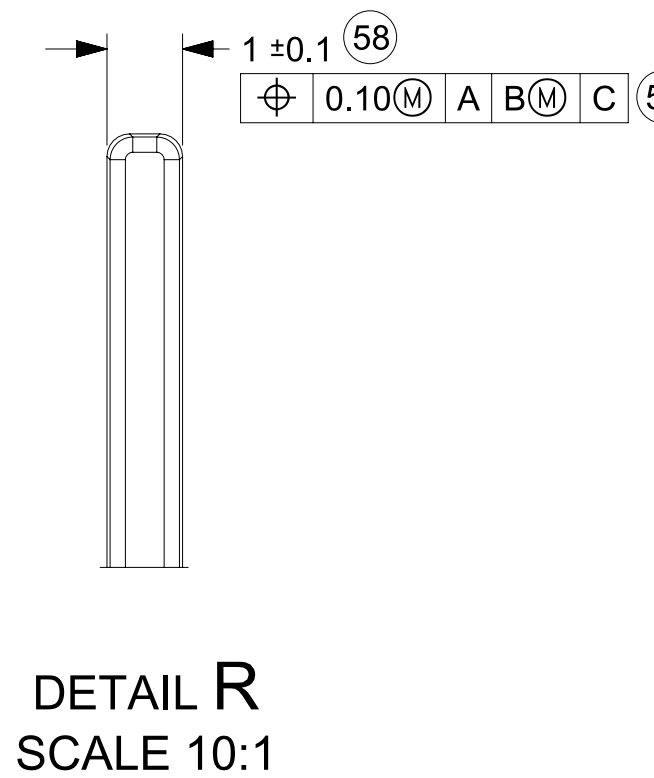
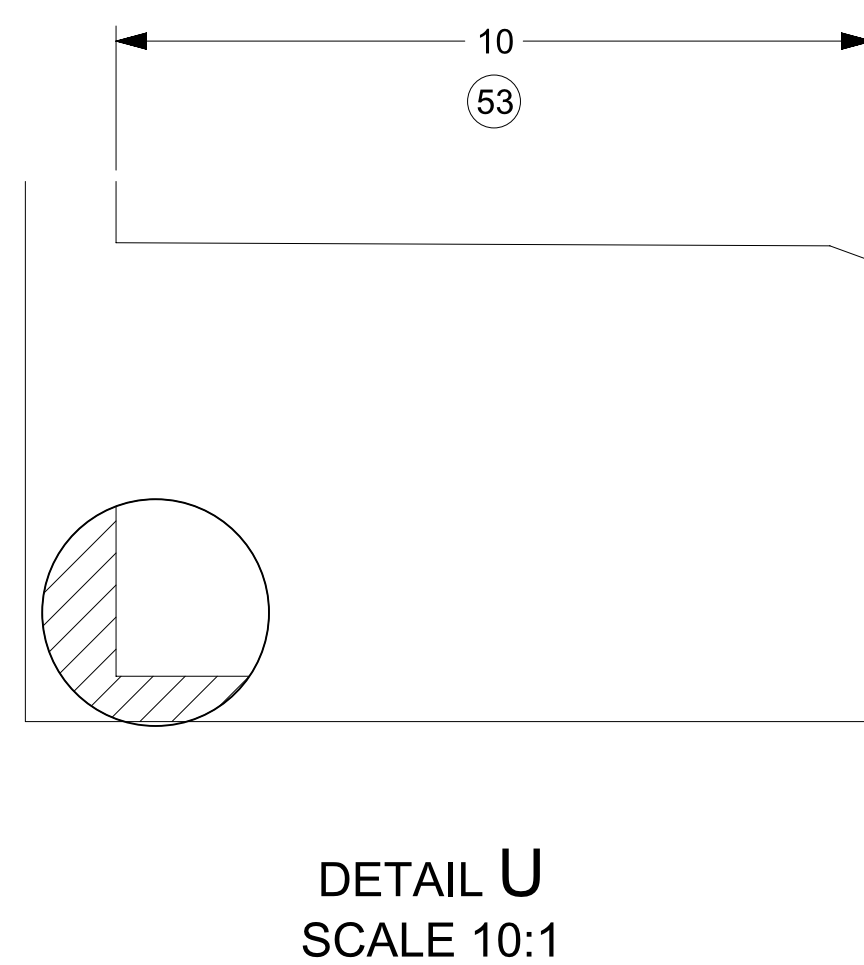
- a. DRAFT TO BE WITHIN TOLERANCE.

D	NOTES 1.B UPDATED
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

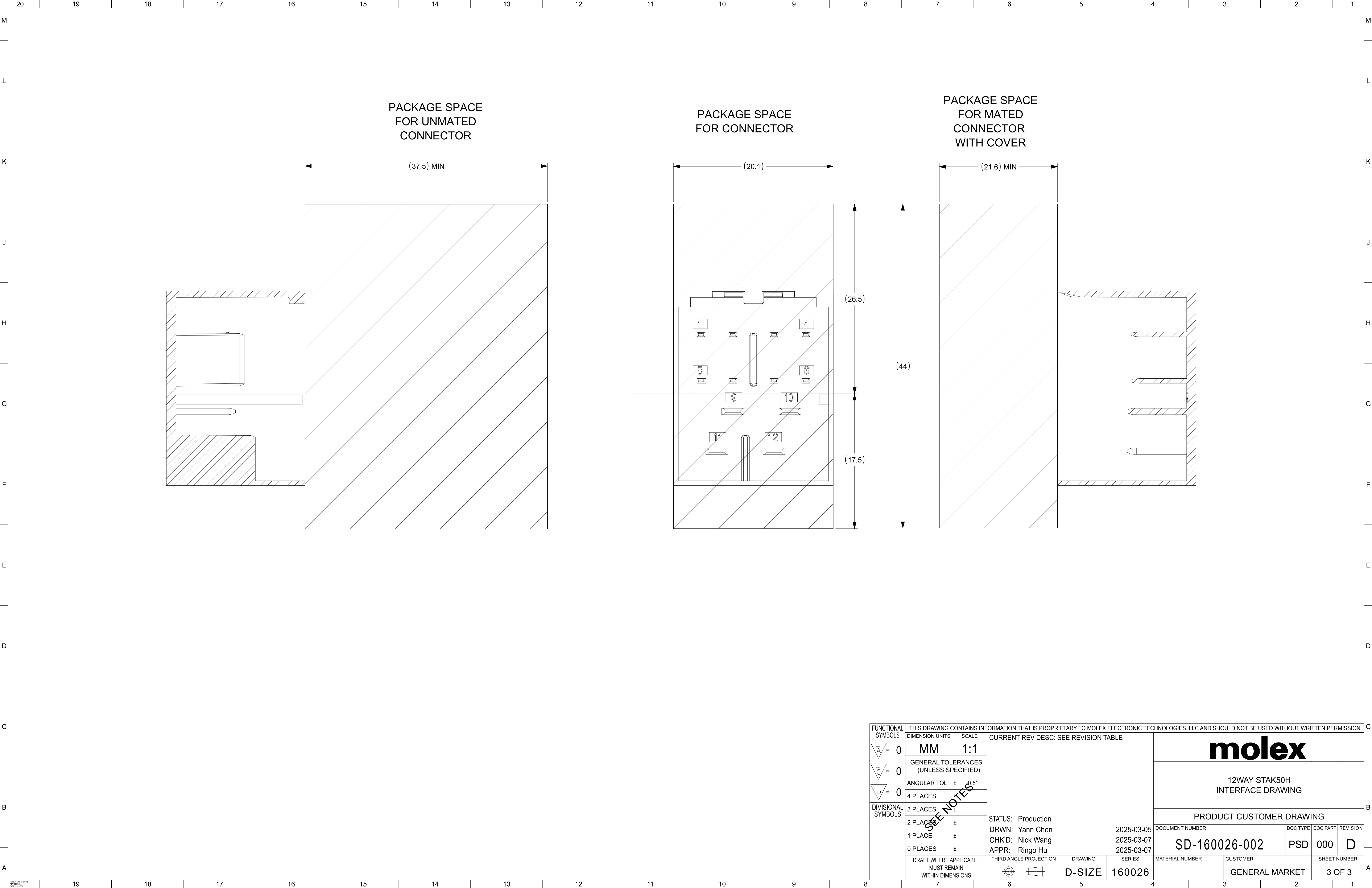
FUNCTIONAL SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					CURRENT REV DESC: SEE REVISION TABLE				molex			
FA = 0 FC = 0 FP = 0		DIMENSION UNITS		SCALE		12WAY STAK50H INTERFACE DRAWING PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER DOC TYPE DOC PART REVISION SD-160026-002 PSD 000 D MATERIAL NUMBER CUSTOMER SHEET NUMBER GENERAL MARKET 1 OF 3								
DIVISIONAL SYMBOLS		MM		5:1										
SEE NOTES		GENERAL TOLERANCES (UNLESS SPECIFIED)												
		ANGULAR TOL ± 0.5°												
		4 PLACES												
		3 PLACES												
		2 PLACES												
1 PLACE		STATUS: Production		DRWN: Yann Chen		2025-03-05								
0 PLACES		CHK'D: Nick Wang		APPR: Ringo Hu		2025-03-07								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER		
				D-SIZE		160026				GENERAL MARKET		1 OF 3		



*OPTION B IS THE PREFERRED CONSTRUCTION FOR ALL NEW HEADERS



FUNCTIONAL SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
$\frac{F}{A} = 0$ $\frac{F}{E} = 0$ $\frac{F}{D} = 0$ DIVISIONAL SYMBOLS SEE NOTES		DIMENSION UNITS SCALE MM 5:1 GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 0.5° 4 PLACES 3 PLACES 2 PLACES 1 PLACE 0 PLACES DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	CURRENT REV DESC: SEE REVISION TABLE STATUS: Production DRWN: Yann Chen CHK'D: Nick Wang APPR: Ringo Hu THIRD ANGLE PROJECTION DRAWING SERIES
		2025-03-05 2025-03-07 2025-03-07	
		PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER DOC TYPE DOC PART REVISION	
		SD-160026-002 PSD 000 D	
		MATERIAL NUMBER CUSTOMER SHEET NUMBER	
		GENERAL MARKET 2 OF 3	
		D-SIZE 160026	



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			
FUNCTIONAL SYMBOLS		DIMENSION UNITS		SCALE		CURRENT REV DESC: SEE REVISION TABLE			molex 12WAY STAK50H INTERFACE DRAWING										
F A = 0 F C = 0 F P = 0		MM		1:1		STATUS: Production DRWN: Yann Chen 2025-03-05 CHK'D: Nick Wang 2025-03-07 APPR: Ringo Hu 2025-03-07													
DIVISIONAL SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)																	
		ANGULAR TOL ± 0.5°																	
		4 PLACES																	
		3 PLACES																	
		2 PLACES																	
		1 PLACE																	
		0 PLACES				THIRD ANGLE PROJECTION			DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								D-SIZE		160026				GENERAL MARKET		3 OF 3	