

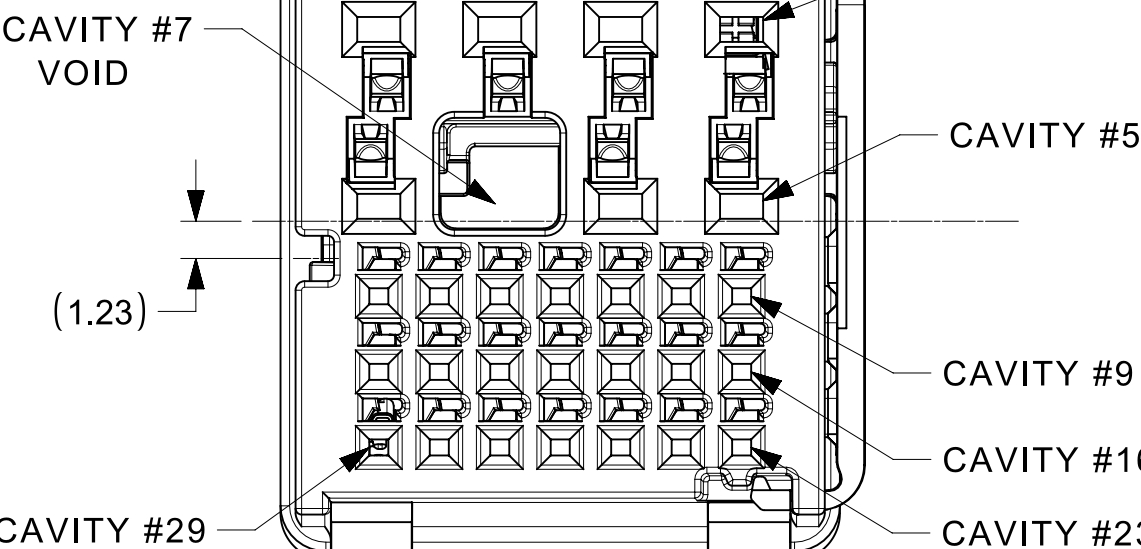


Figure 1 is a cross-sectional diagram of a multi-cavity mold assembly. The diagram shows a central cavity (CAVITY #12 VOID) surrounded by various other cavities and voids. Labels include CAVITY #12 VOID, CAVITY #19 VOID, CAVITY #29, CAVITY #1, CAVITY #5, CAVITY #9, CAVITY #16, CAVITY #23, and (1,23). Arrows point to specific features, and a vertical line with arrows indicates a section line.

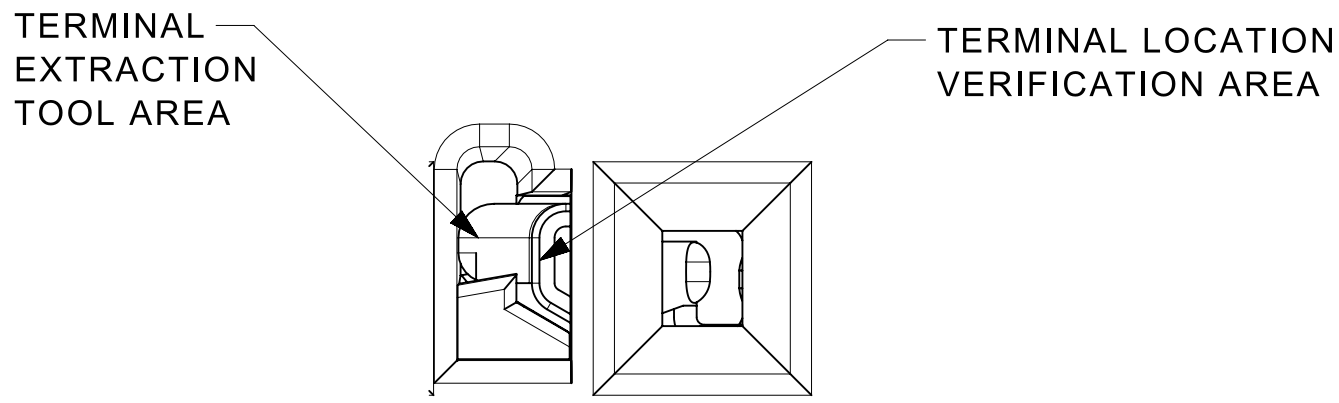
Technical drawing of a theater stage layout. The drawing shows a cross-section of the stage and seating area. The seating area is divided into several rows. The stage area is at the top of the drawing. A dimension line indicates a distance of 6.65 units between two points on the left side of the seating area.

PART NUMBER	PLATING	SUPPLIER	WIRE GAGE (mm2)	TERMINAL FAMILY	WIRE SPECIFICATION	
0096-3101	TIN PLATING	MOLEX	0.35	TAK FAMILY (0.5 mm)	VW 60306 or GMW 15626 (SEE APPLICATION SPECIFICATION FOR MORE DETAILS)	
0096-3201	TIN PLATING	MOLEX	0.13	TAK FAMILY (0.5 mm)		
272196-2	TIN PLATING	TE	0.35	Generation 50 Locking Lance (0.5mm)	SAE/ J1128 THIN WALL INSULATION	
272196-1	TIN PLATING	TE	0.13	Generation 50 Locking Lance (0.5mm)		
5072403	TIN PLATING	DELPHI	0.35 - 0.5	TAXI TERM OCS 1.2		
5072404	TIN PLATING	DELPHI	0.75 - 0.8			
5072405	TIN PLATING	DELPHI	0.8 - 1.0			
5072406	TIN PLATING	DELPHI	1.25 - 1.5			
A-A031T-M1.2	TIN PLATING	JST	0.5 - 0.75	MSA 1.2mm TERMINAL	GMW 15626 INSULATION TYPE FLR (REGULAR THIN WALL)	
A-A041T-M1.2	TIN PLATING	JST	1.0 - 1.5	MSA 1.2mm TERMINAL		

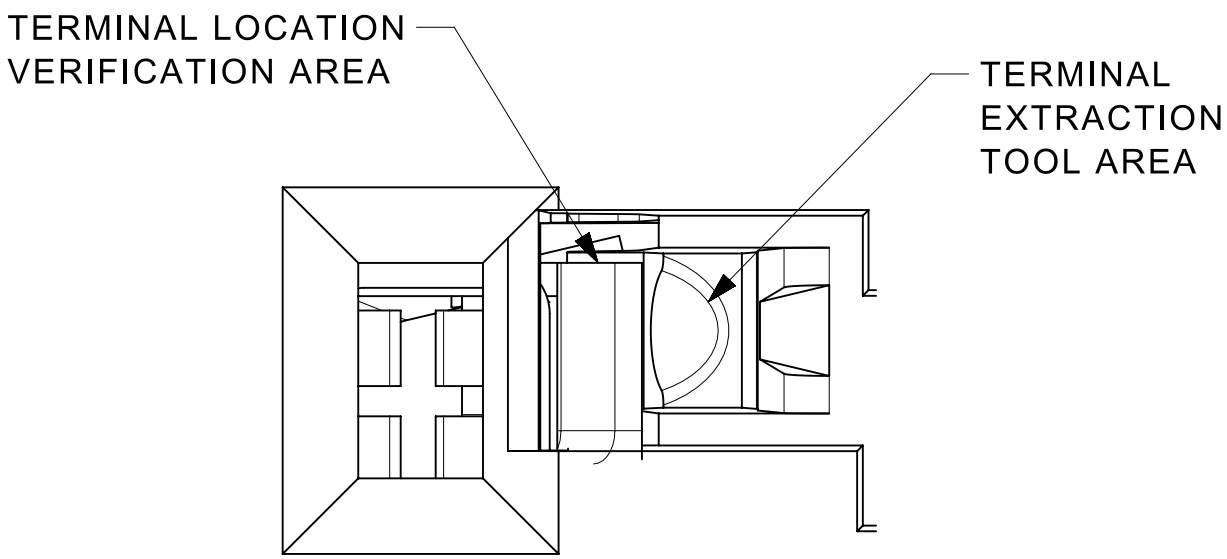
A8	UPDATED VIEW OF CAVITY NUMBER AND VOID CAVITY NUMBER
A7	UPDATED LASER MARK TO INCLUDE NEW CAPACITY ASSEMBLY LINE
A6	UPDATED TAK50 TERMINAL PNS 21-July-2021 YPENG47 ECN 648438
A5	UPDATED DELPHI 1.2 TERMINAL PNS 10-Apr-2020 YPENG47 ECN 635661
REVISION	DESCRIPTION

FUNCTIONAL SYMBOLS A B = 0 E F = 0 P Q = 0 DIVISIONAL 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 REVISION SHEET					molex							
		mm		4:1														
		GENERAL TOLERANCES (UNLESS SPECIFIED)				PHASE: CO NO: DRWN: Kun Du2024-01-04 CHK'D: Ringo Hu2024-01-05 APPR: Colin Zhang2024-01-08					27/28 WAY STAK50H HYBRID ASSEMBLY CONNECTOR ASSEMBLY							
		ANGULAR TOL ± 3.0°																
		4 PLACES		±														
		3 PLACES		±														
		2 PLACES		± 0.300														
		1 PLACE		± 0.30		INITIAL REVISION: DRWN: RCARLSON APPR:					DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
		0 PLACES		± 0.30							1600140011		PSD		000		A8	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER				
						D-SIZE		160014		SEE TABLE		GENERAL MARKET		1 OF 2				

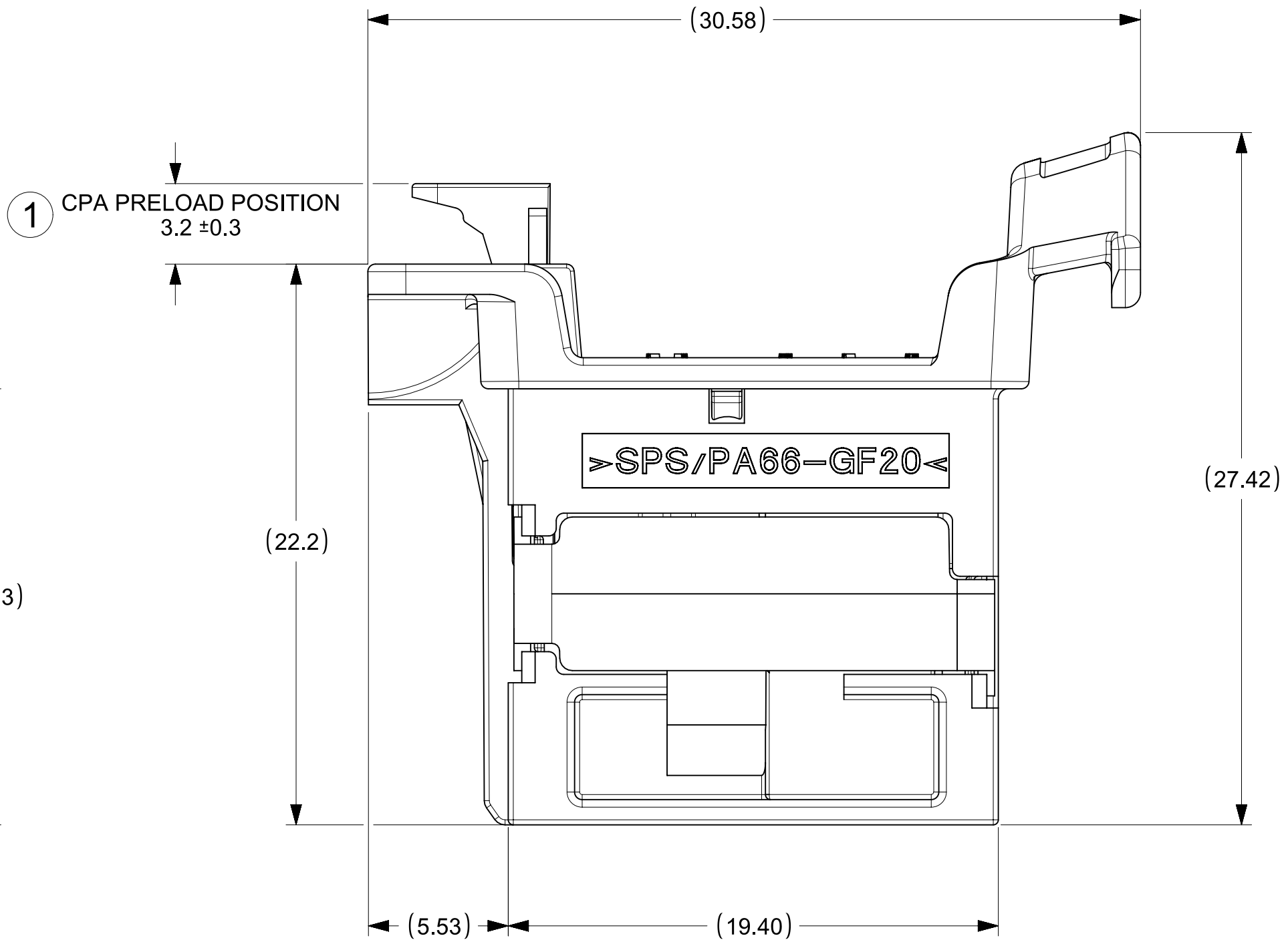
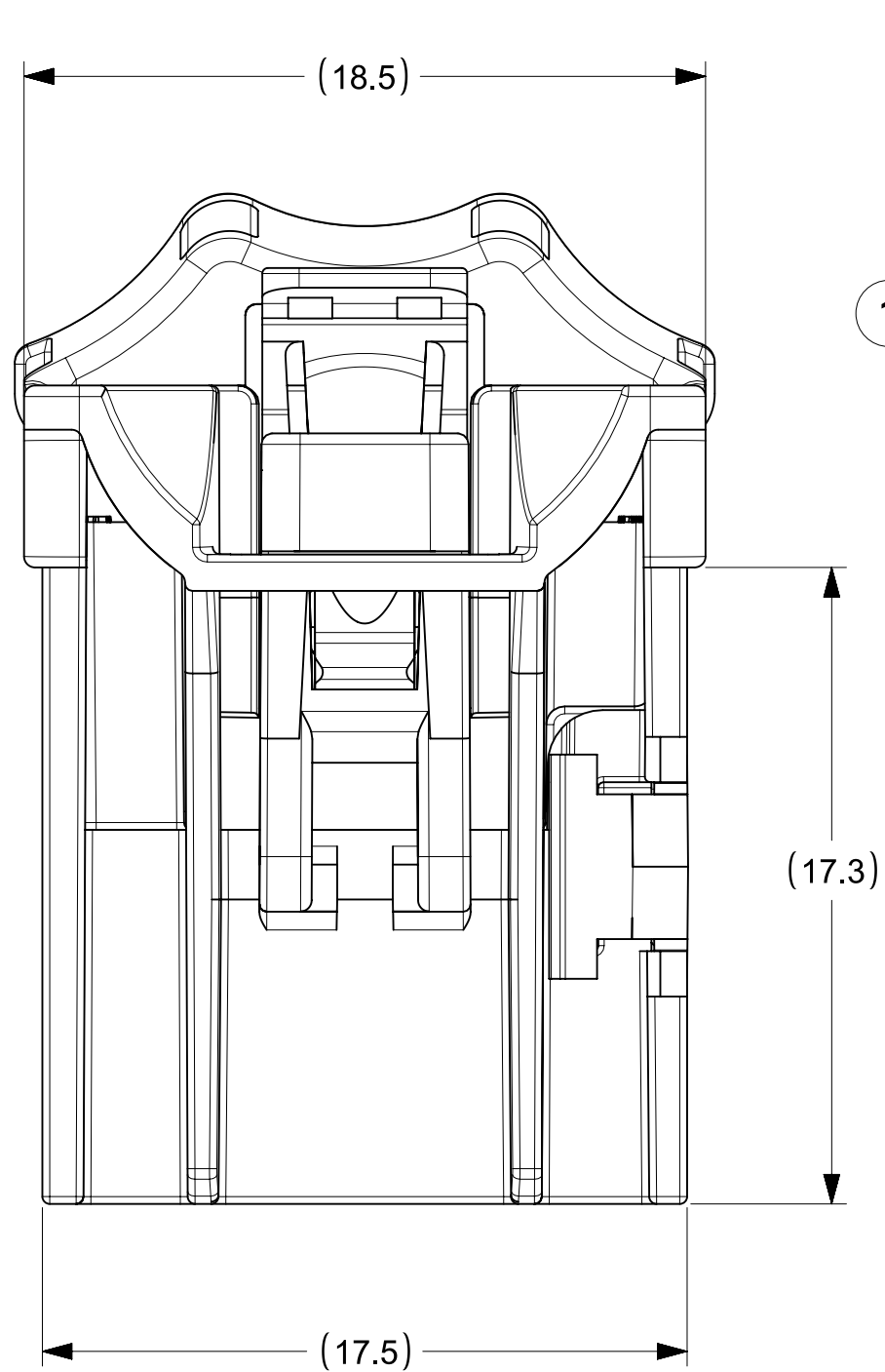
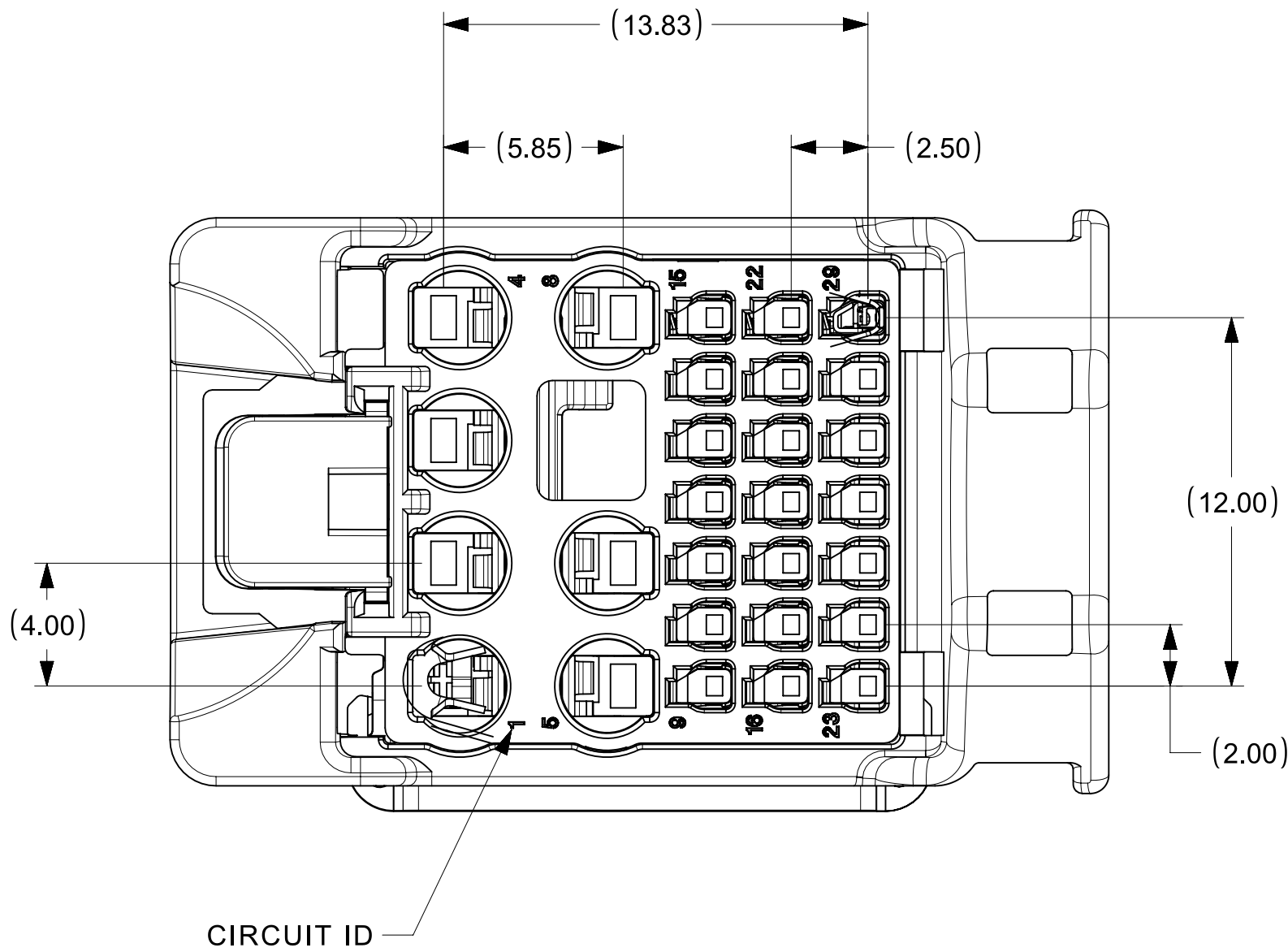
NOTE: 28 WAY CONNECTOR VARIANT SHOWN.
DIMENSIONS APPLY TO ALL CONNECTOR VARIANTS OF 29 WAY



DETAIL A
SCALE 20:1

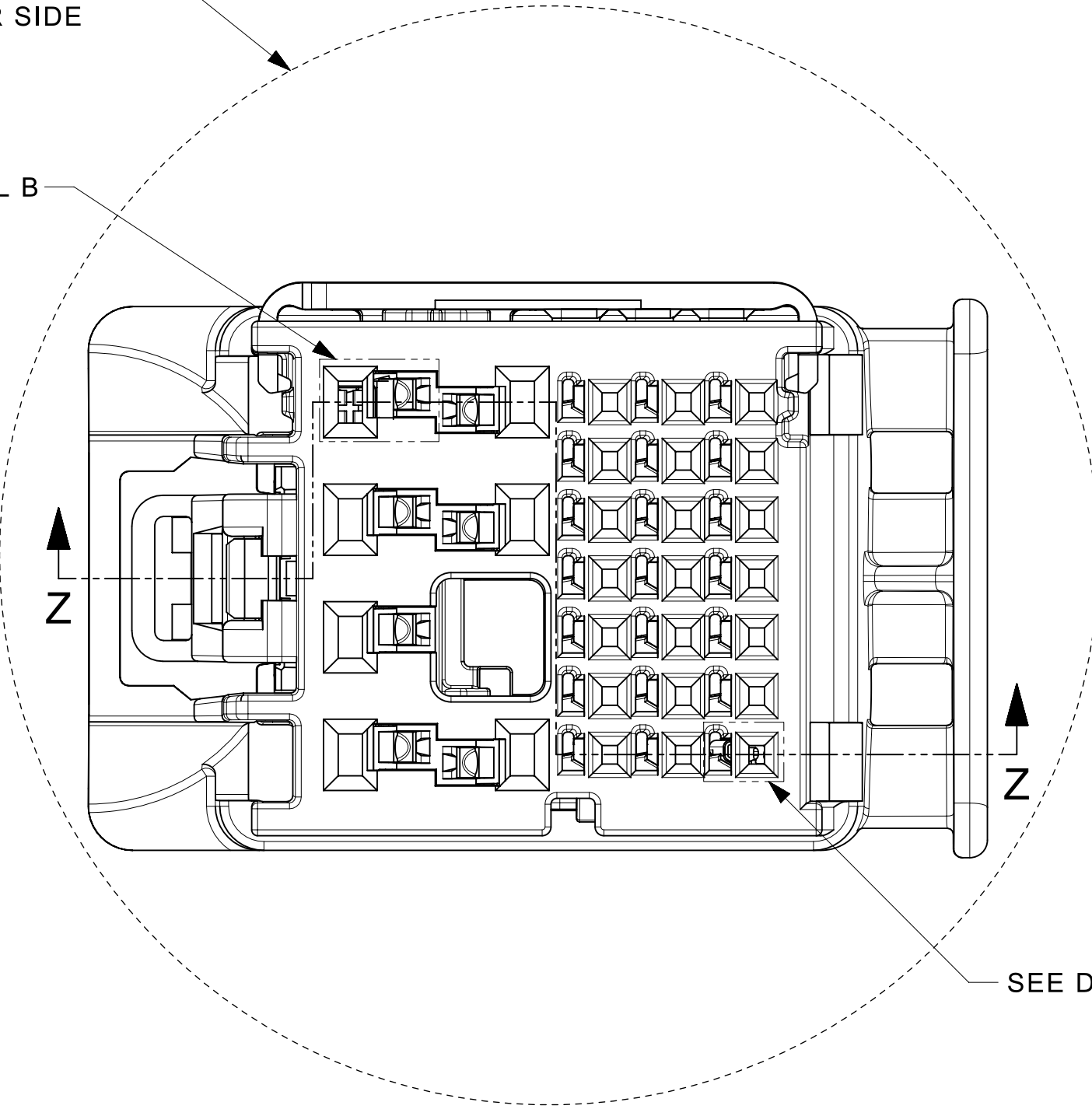


DETAIL B
SCALE 20:1



(Ø37.39) PASS THROUGH
WITH 1 MM PER SIDE

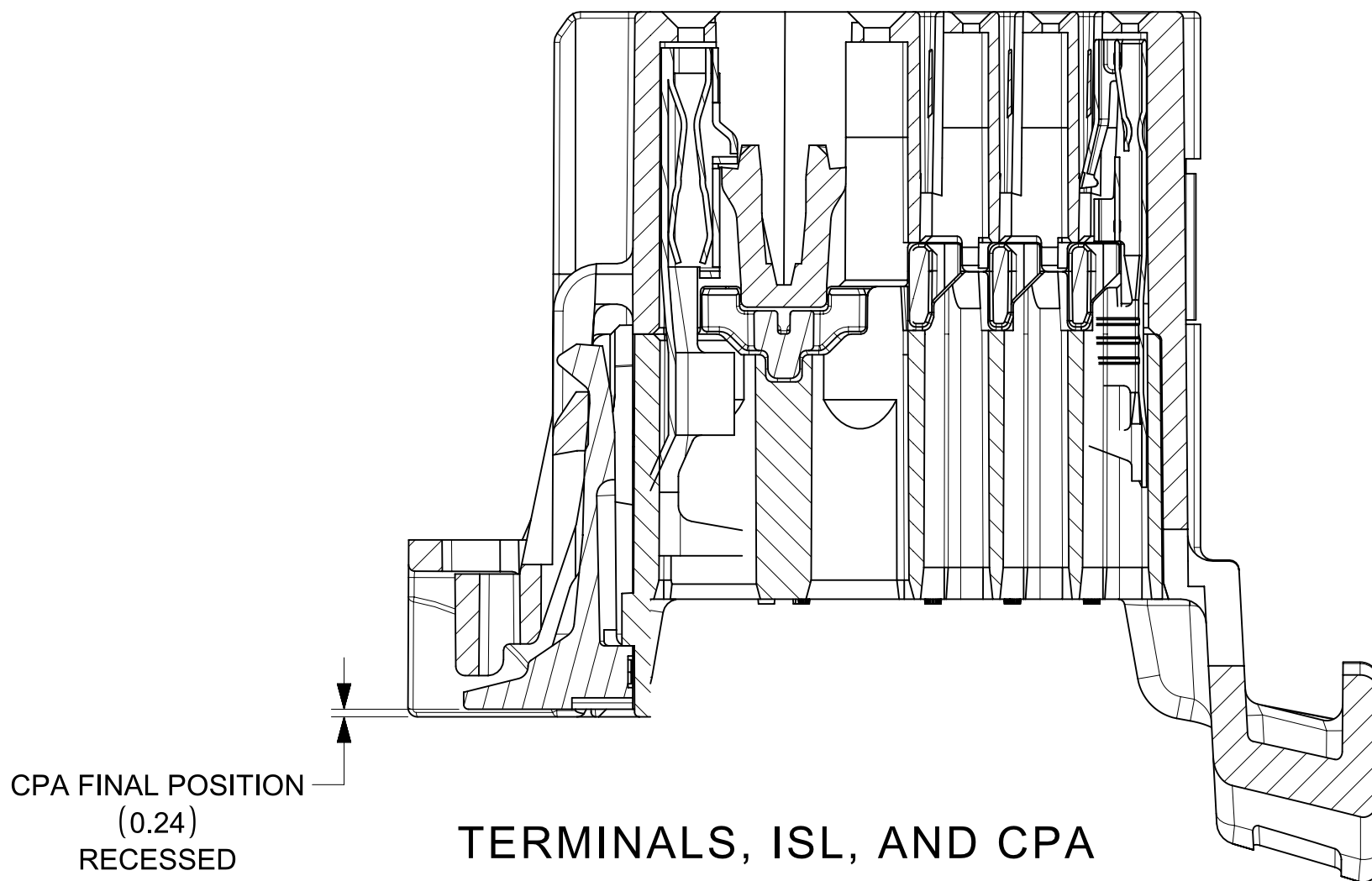
SEE DETAIL B



LASER ETCH
DATE CODE AND
ASSEMBLY LINE

YYDDD
HHMMSS_X

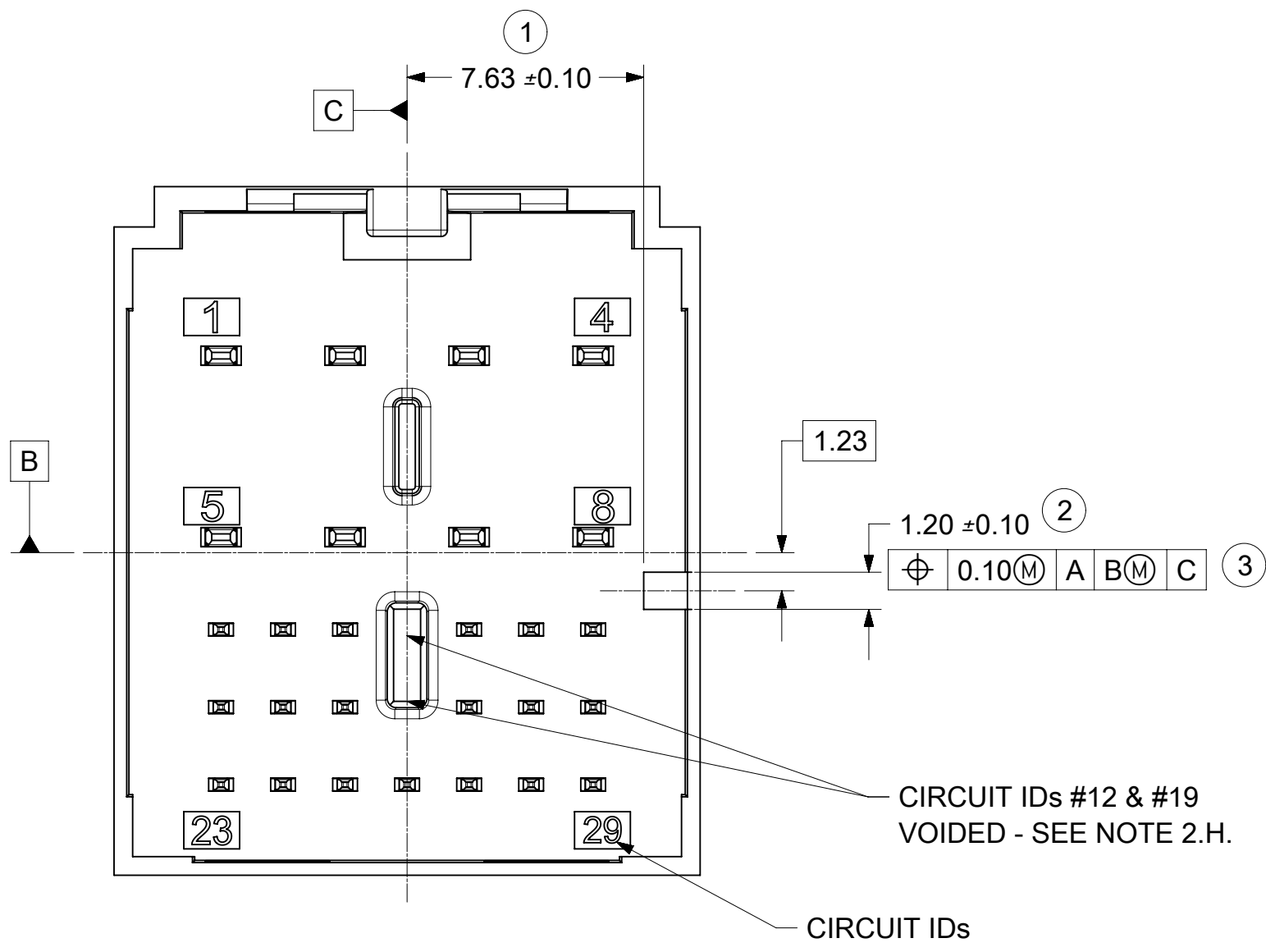
2 1.30 ±0.30
ISL IN OPEN
POSITION



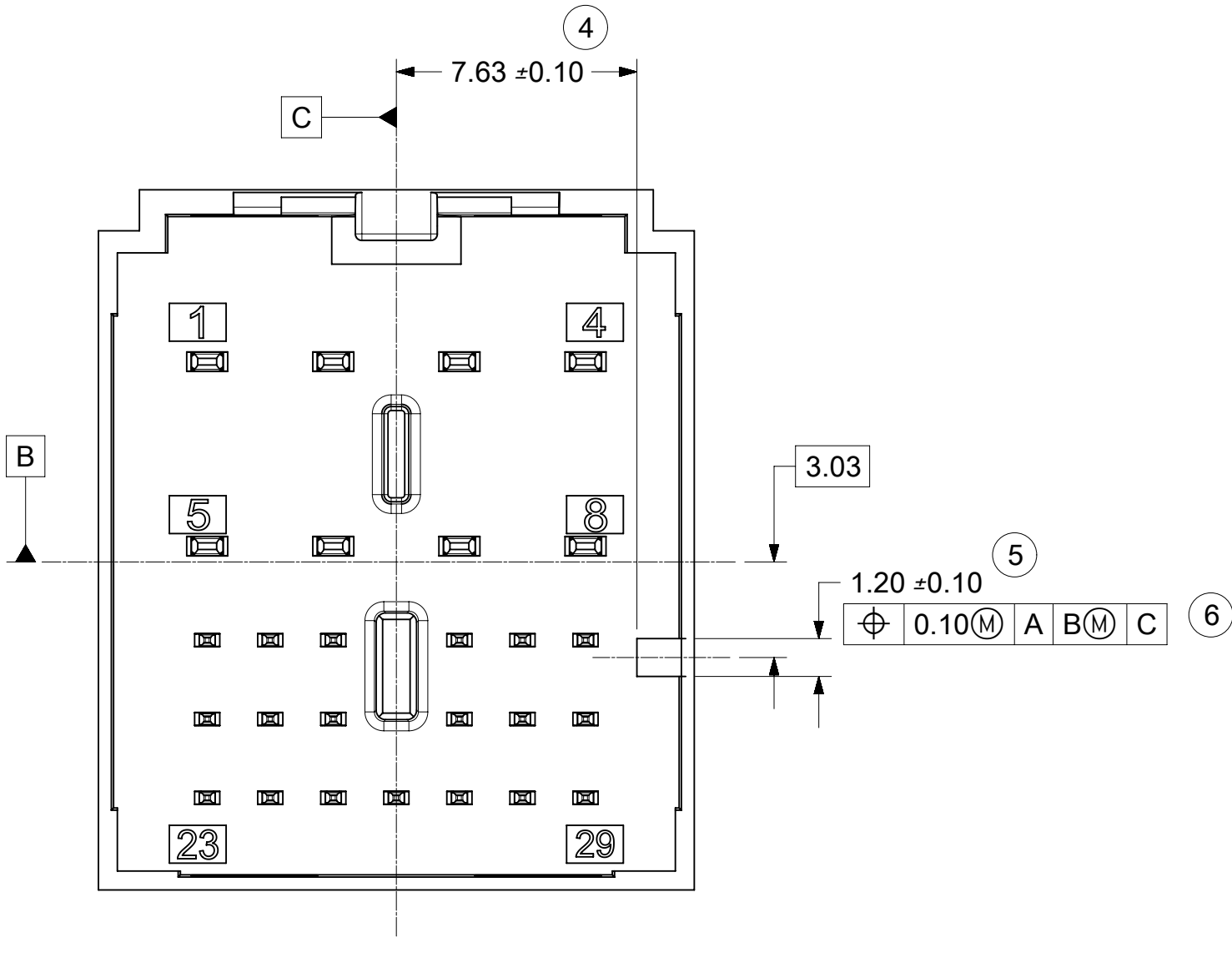
SECTION Z-Z

ISL IN CLOSED
POSITION

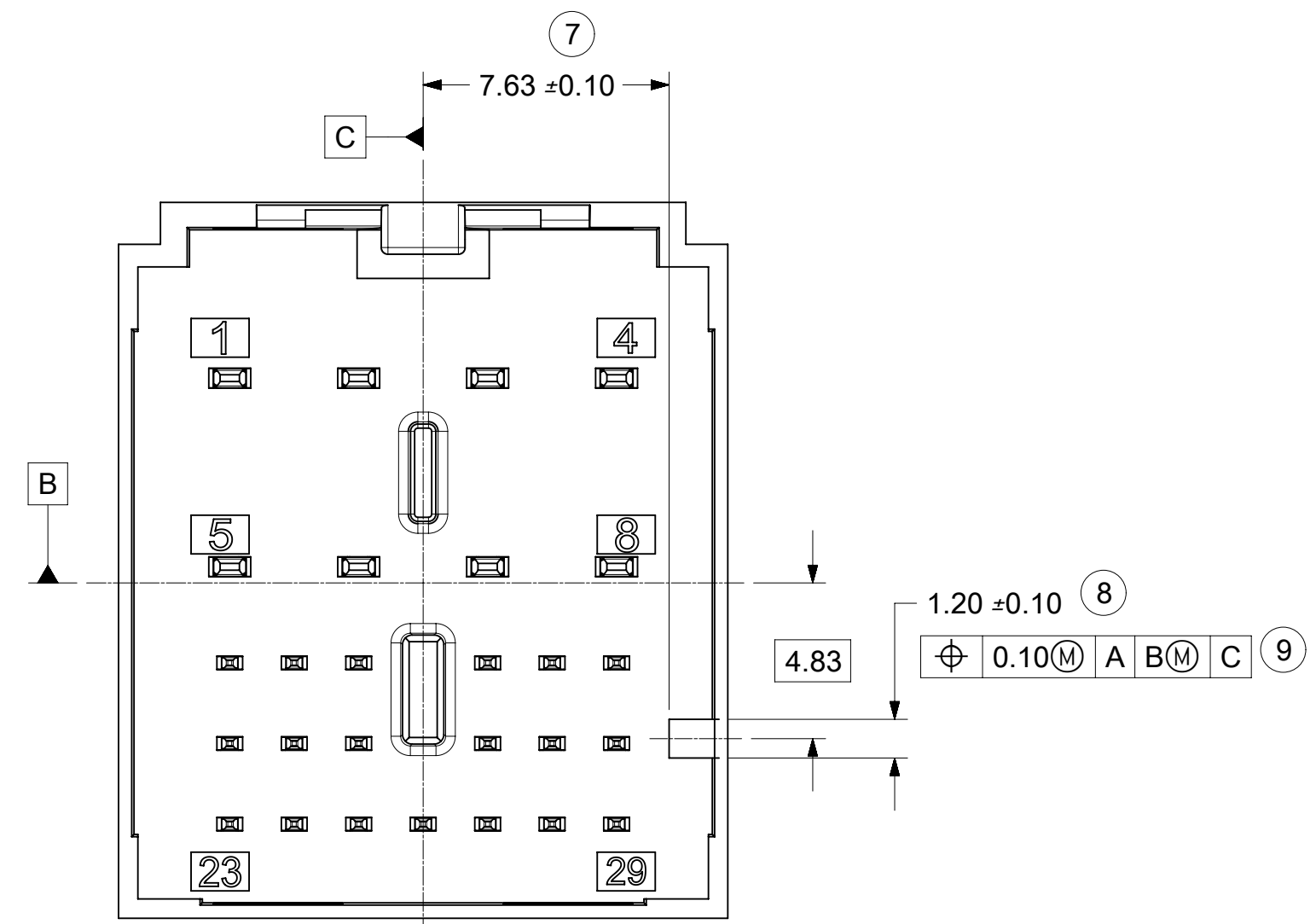
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
	DIMENSION UNITS		SCALE		CURRENT REV DESC: SEE REVISION SHEET				molex					
	mm		5:1						27/28 WAY STAK50H HYBRID ASSEMBLY CONNECTOR ASSEMBLY					
GENERAL TOLERANCES (UNLESS SPECIFIED)														
DIVISIONAL SYMBOLS	ANGULAR TOL ± 3.0°		PHASE: CO NO: DRWN: Kun Du 2024-01-04 CHK'D: Ringo Hu 2024-01-05 APPR: Colin Zhang 2024-01-08 INITIAL REVISION: DRWN: RCARLSON APPR:				PRODUCT SALES DRAWING							
	4 PLACES ±										DOCUMENT NUMBER 1600140011			
	3 PLACES ±						DOC TYPE PSD							
	2 PLACES ± 0.300										DOC PART 000			
	1 PLACE ± 0.30						REVISION A8							
	0 PLACES ± 0.30													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION		DRAWING D-SIZE		SERIES 160014		MATERIAL NUMBER SEE TABLE		CUSTOMER GENERAL MARKET		SHEET NUMBER 2 OF 2	



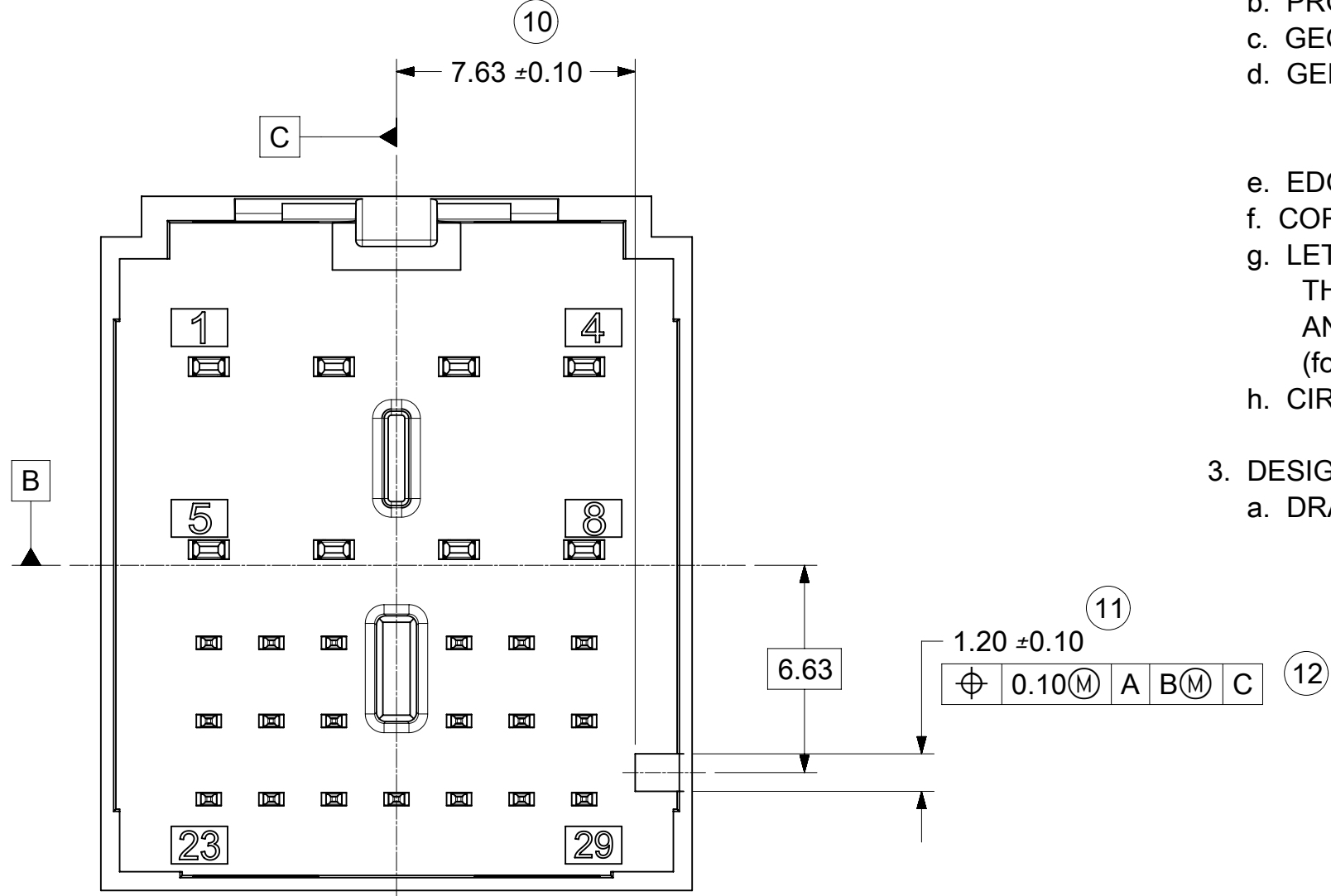
INTERFACE KEY #1
MATING CONNECTOR COLOR: BLACK



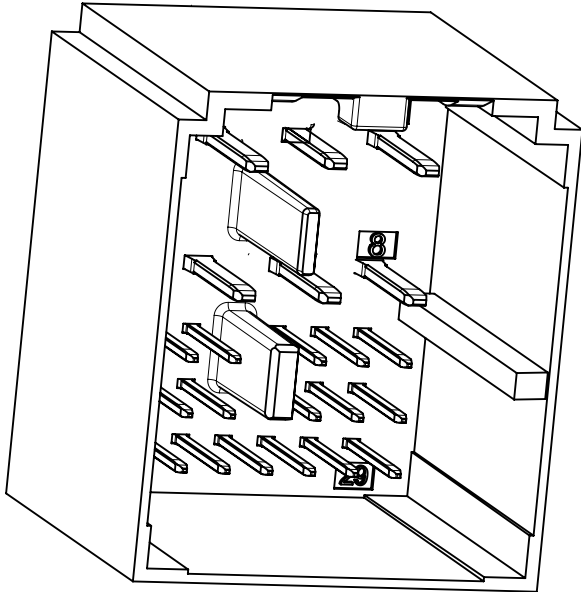
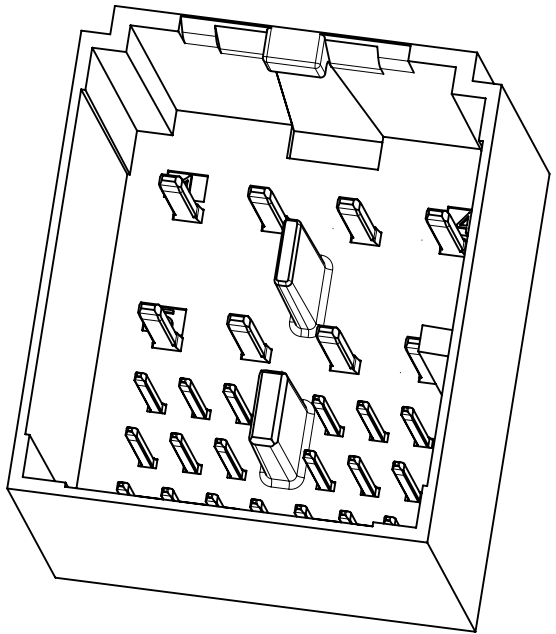
INTERFACE KEY #2
MATING CONNECTOR COLOR: LT GREEN B



INTERFACE KEY #3
MATING CONNECTOR COLOR: LT BLUE B



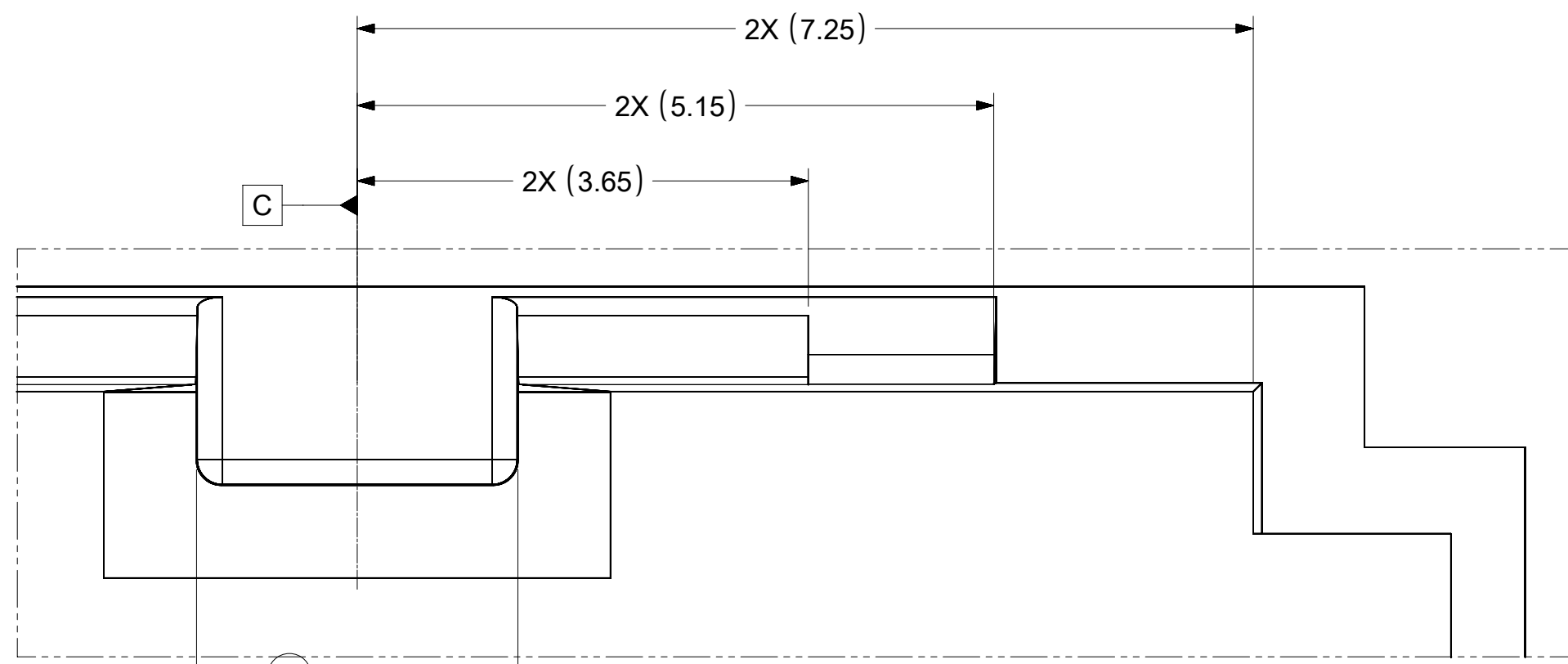
INTERFACE KEY #4
MATING CONNECTOR COLOR: PURPLE C



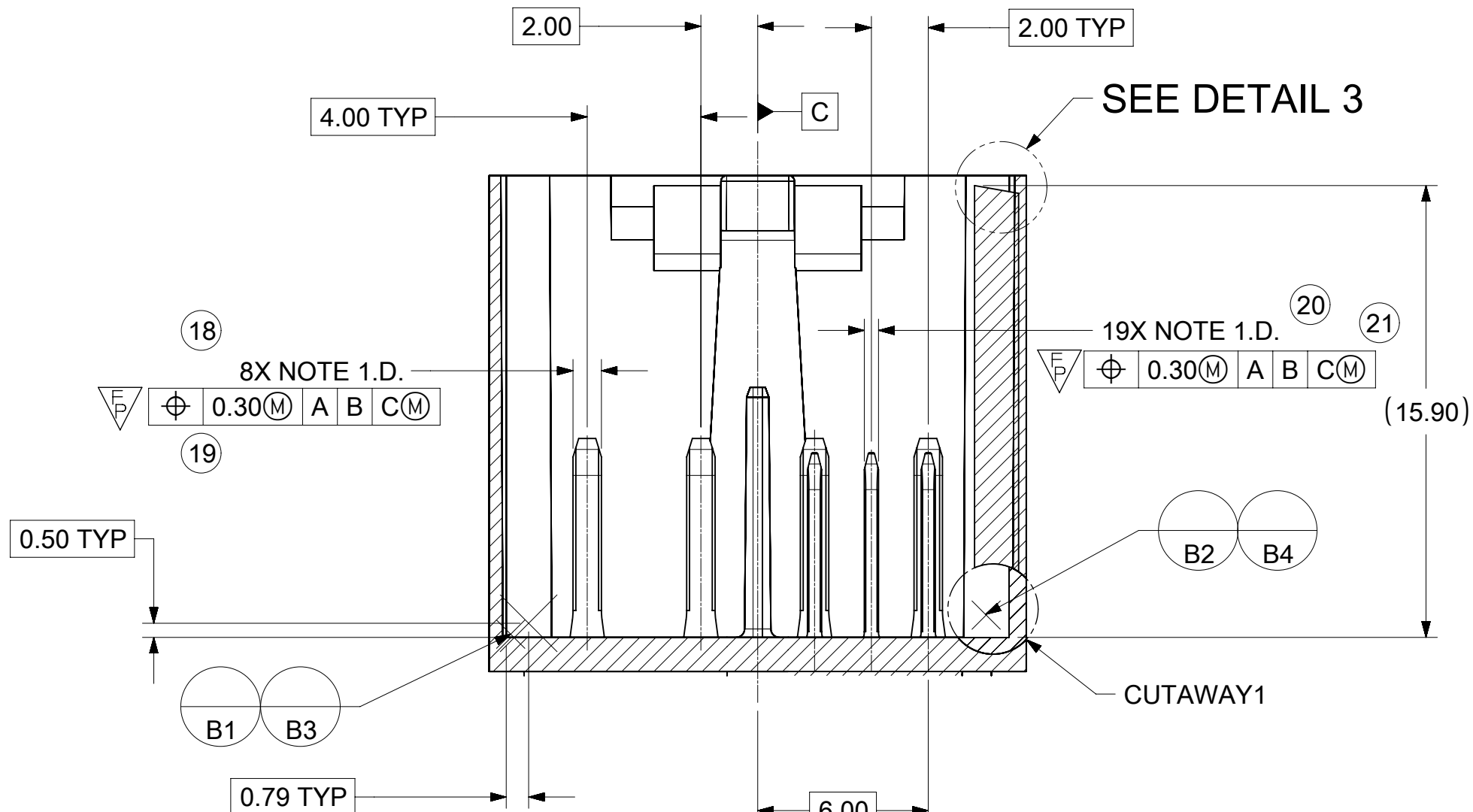
- NOTES: VALID UNLESS OTHERWISE SPECIFIED
- DESIGN - MATERIALS:
 - RESIN MATERIAL: PBT+GF30 OR SPS+GF30 OR EQUIVALENT
 - PIN/BLADE MATERIAL: ACCORDING TO USCAR DRAWING EWCAP-001 NOTE B2.
 - PLATING: ACCORDING TO USCAR DRAWING EWCAP-001 TIN REFLOW WITH UNDERPLATE.
 - PIN TIPS ACCORDING TO USCAR DRAWING EWCAP-001 (120-T002 AND 050-T001)
 - DEVIATION TO EWCAP-001 ACCEPTABLE IF PERFORMANCE(ELECTRICAL/MECHANICAL)IS SHOWN TO BE EQUAL OR BETTER AS REQUIRED BY VALIDATION TESTING.
 - DESIGN - GEOMETRY:
 - ALL GRAPHIC DATA IS BASIC (NO TOLERANCE) AND MUST BE TAKEN FROM THE DATA FILE AT ITS LATEST REVISION.
 - PRODUCT DESIGN MODEL NUMBER(S): SEE BOM TABLE
 - GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M-2009
 - GENERAL TOLERANCES:
LINEAR: PER DIN 16901 LINEAR CODE B FOR PRECISION ENGINEERING
ANGULAR: ± 3°
 - EDGES AND UNDIMENSIONED DETAILS PER ISO13715
 - CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
 - LETTERING SHALL BE 0.15 MAX RAISED IN 0.25 MAX RECESS 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)
 - CIRCUIT LOCATIONS 12 AND 19 VOIDED FOR 27WAY INTERFACE
 - DESIGN - MANUFACTURING:
 - DRAFT TO BE WITHIN TOLERANCE.

B1	ADDED BALLOONS JCONDON 08/02/2018
B	REMOVED 0.2MM FROM CONNECTOR LOCK TAB FEATURE
A1	NOTE 1.E. ADDED JCONDON 11/13/2017
A	NX-REMASTERING SAP # 10867412
9	UAU2016-1182 SAP # 10762453 JCONDON 02/08/2016
8	UAU2016-0542 SAP # 10728331 JCONDON 10/20/2015
7	UAU2015-1446 SAP # 10681629 JCONDON 03/25/2015
6	UAU2015-1212 SAP # 10674908 JCONDON 02/06/2015
5	UAU2015-1036 SAP # 10670355 JCONDON 01/07/2015
4	UAU2015-0634 SAP # 10661788 JCONDON 10/22/2014
3	UAU2014-1679 SAP # XXXXXXXX JCONDON 03/17/2014
2	UAU2014-1221 SAP # XXXXXXXX MYOUNG01 01/31/2014
1	UAU2014-0715 SAP # XXXXXXXX DAHALL 11/20/2013
REV	DESCRIPTION

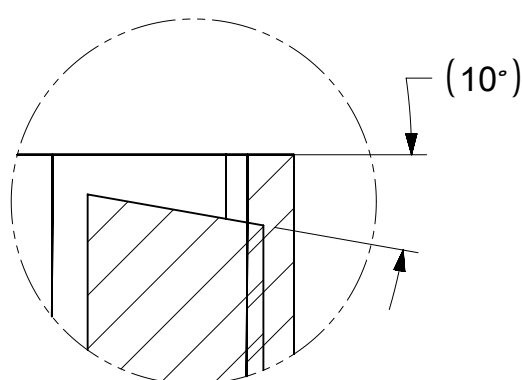
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 = 0	mm		5:1												
 = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 602204			27WAY STAK50H INTERFACE DRAWING							
 = 0	ANGULAR TOL ± °														
 = 0	4 PLACES ±		SEE NOTES		DRWN: JCONDON 2018/08/02			PRODUCT CUSTOMER DRAWING							
 = 0	3 PLACES ±				CHK'D: JCONDON 2018/08/03										
 = 0	2 PLACES ±		SEE NOTES		APPR: MVANSLAMBROU 2018/08/03			DOCUMENT NUMBER SD-160029-002							
 = 0	1 PLACE ±				INITIAL REVISION:							DOC TYPE	DOC PART	REVISION	
 = 0	0 PLACES ±		SEE NOTES		DRWN: DAHALL 2013/11/20			PSD	001	B1					
 = 0	0 PLACES ±				APPR: KDEKOSKI 2014/01/02			SHEET NUMBER							
= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER		
= 0								D-SIZE	160029			GENERAL MARKET		1 OF 3	



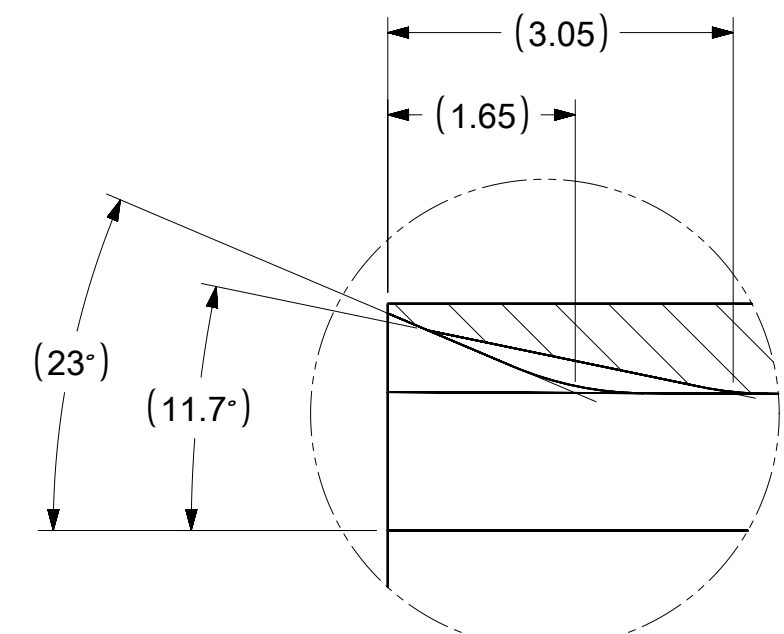
DETAIL 1
SCALE 20:1



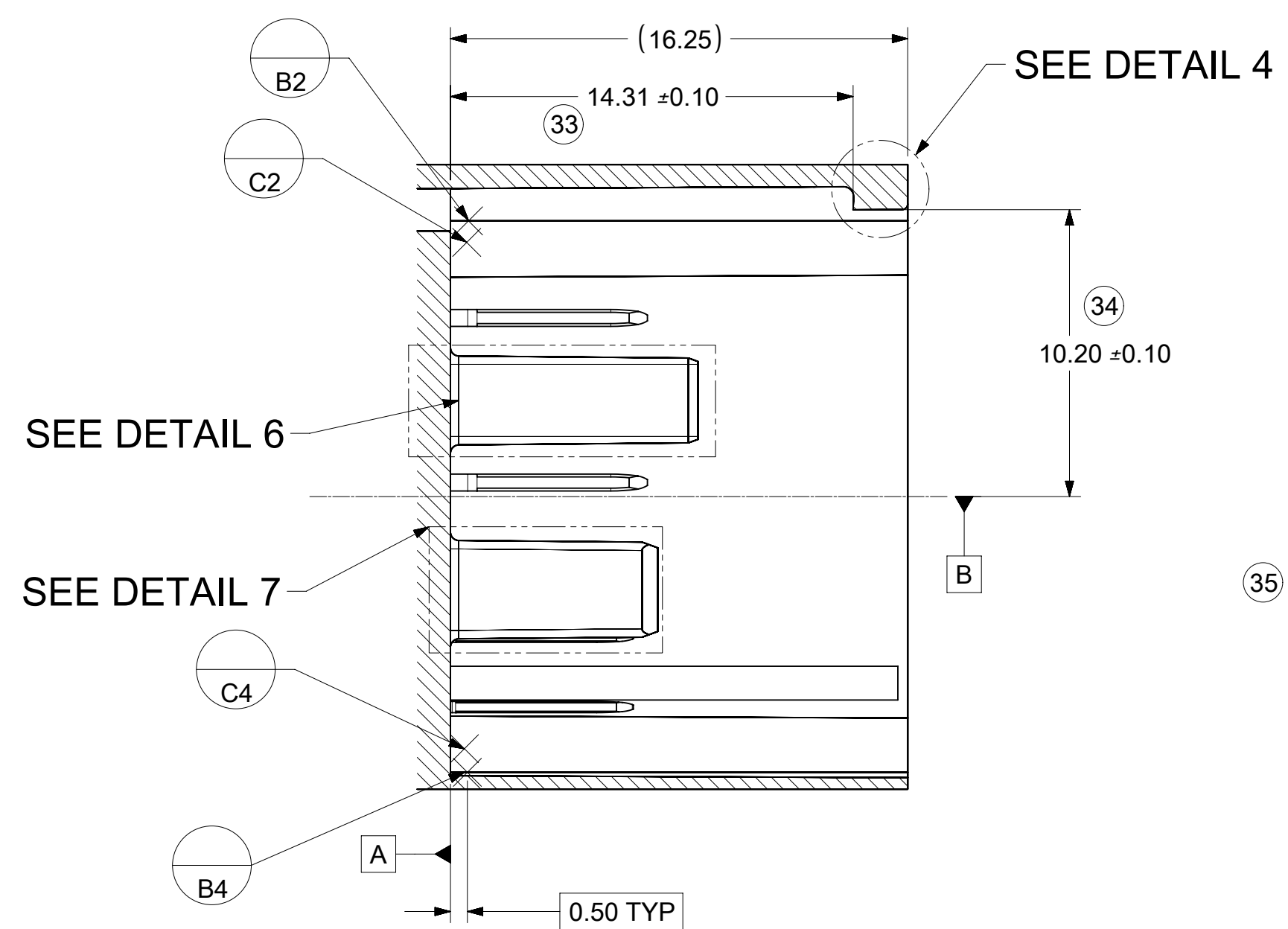
SECTION X-X



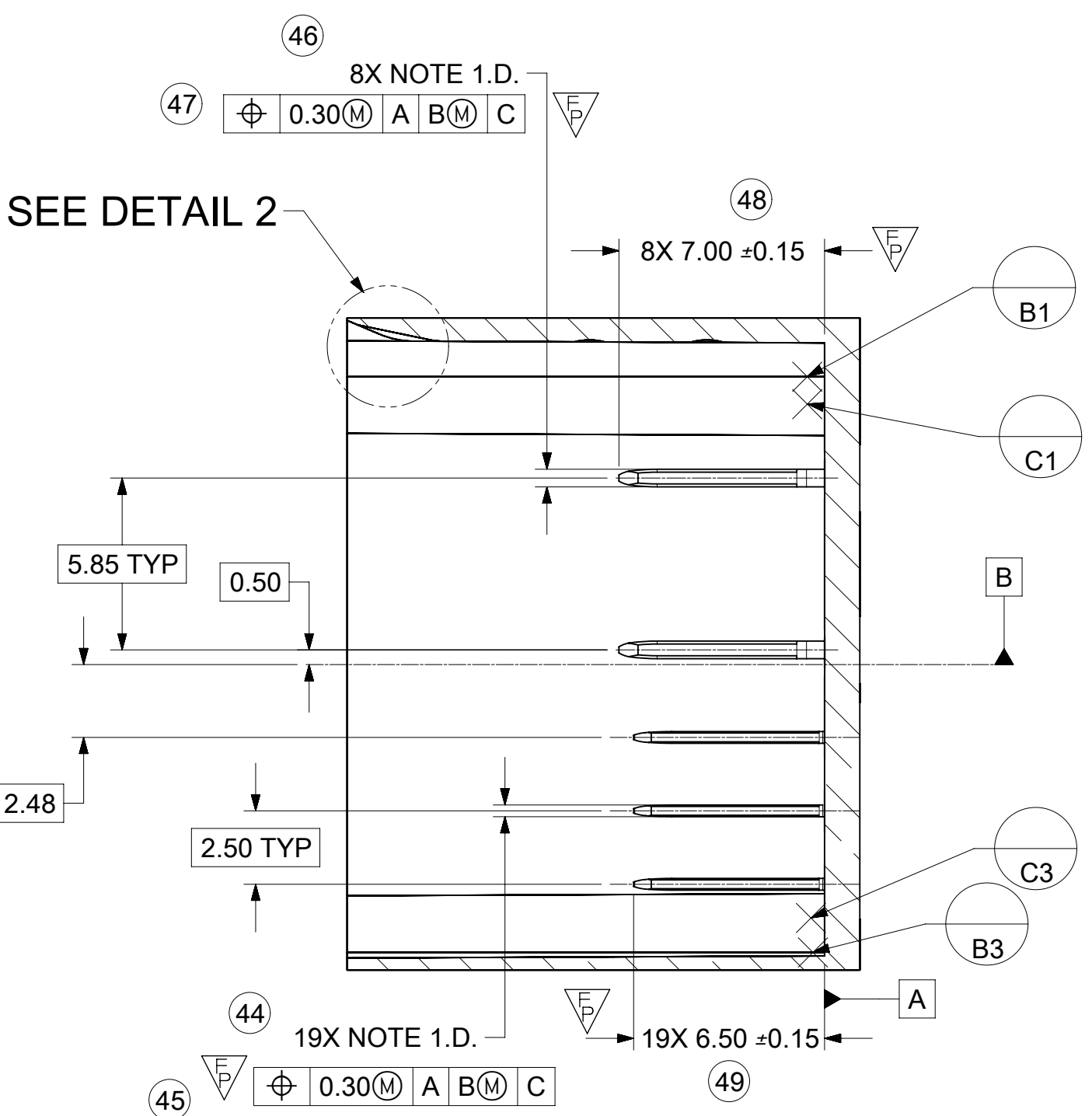
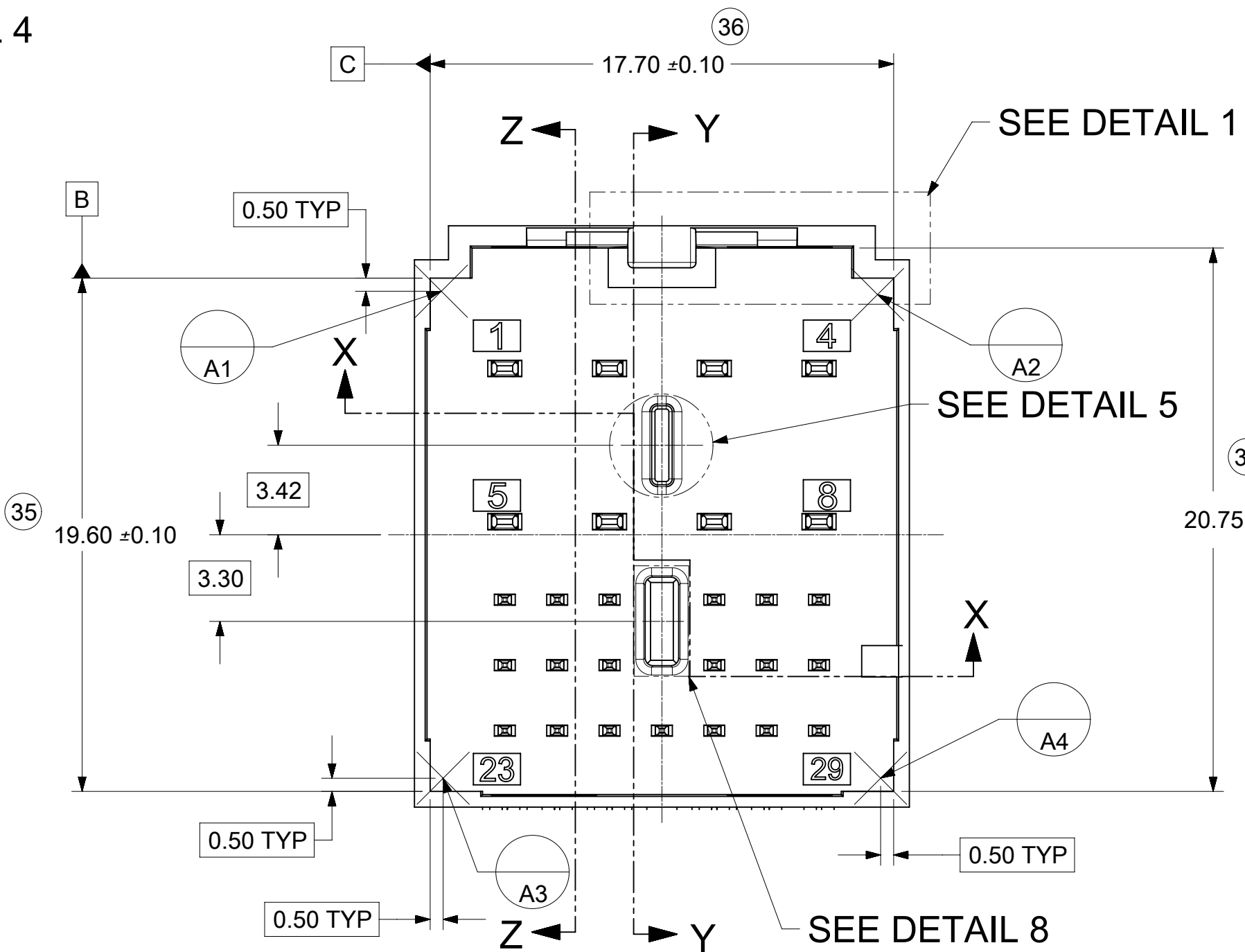
DETAIL 3
SCALE 15:1



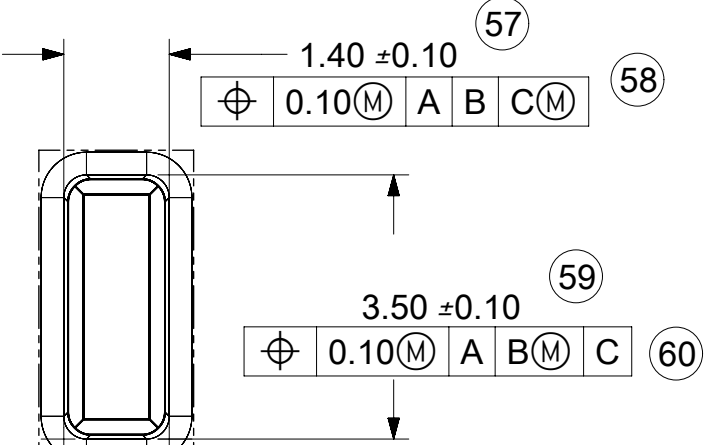
DETAIL 2
SCALE 15:1



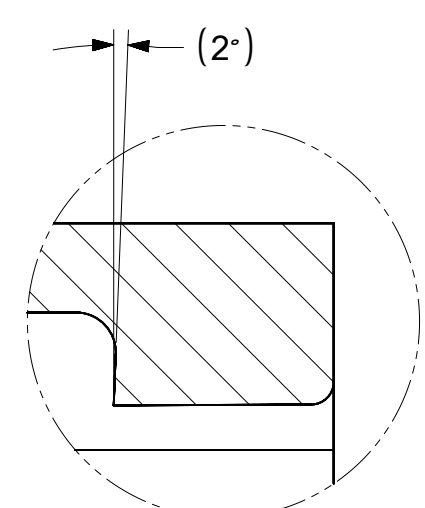
SECTION Y-Y



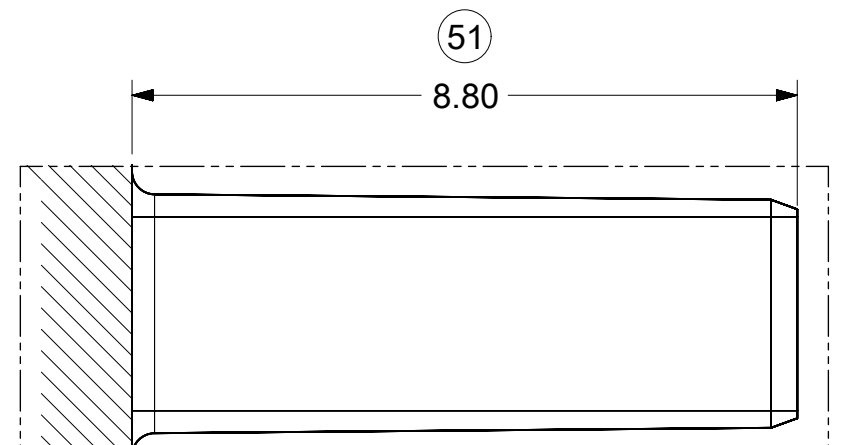
SECTION Z-Z



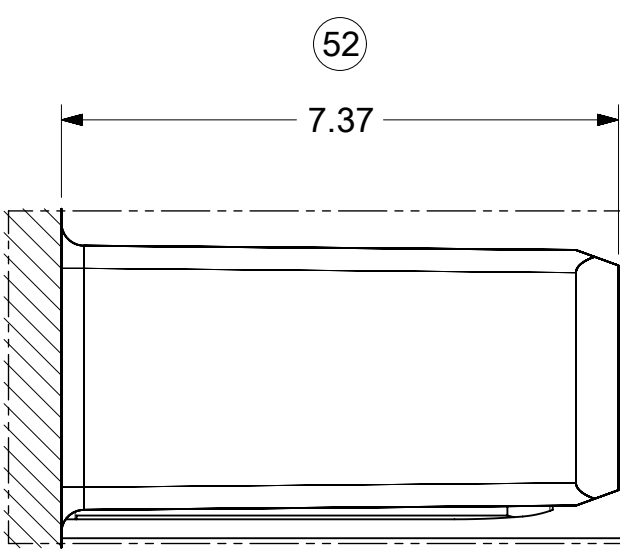
DETAIL 8
SCALE 10:1



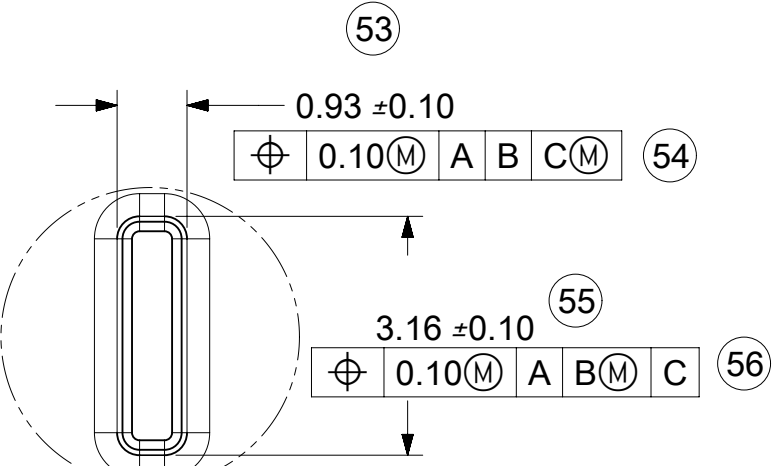
DETAIL 4
SCALE 15:1



DETAIL 6
SCALE 10:1



DETAIL 7
SCALE 10:1



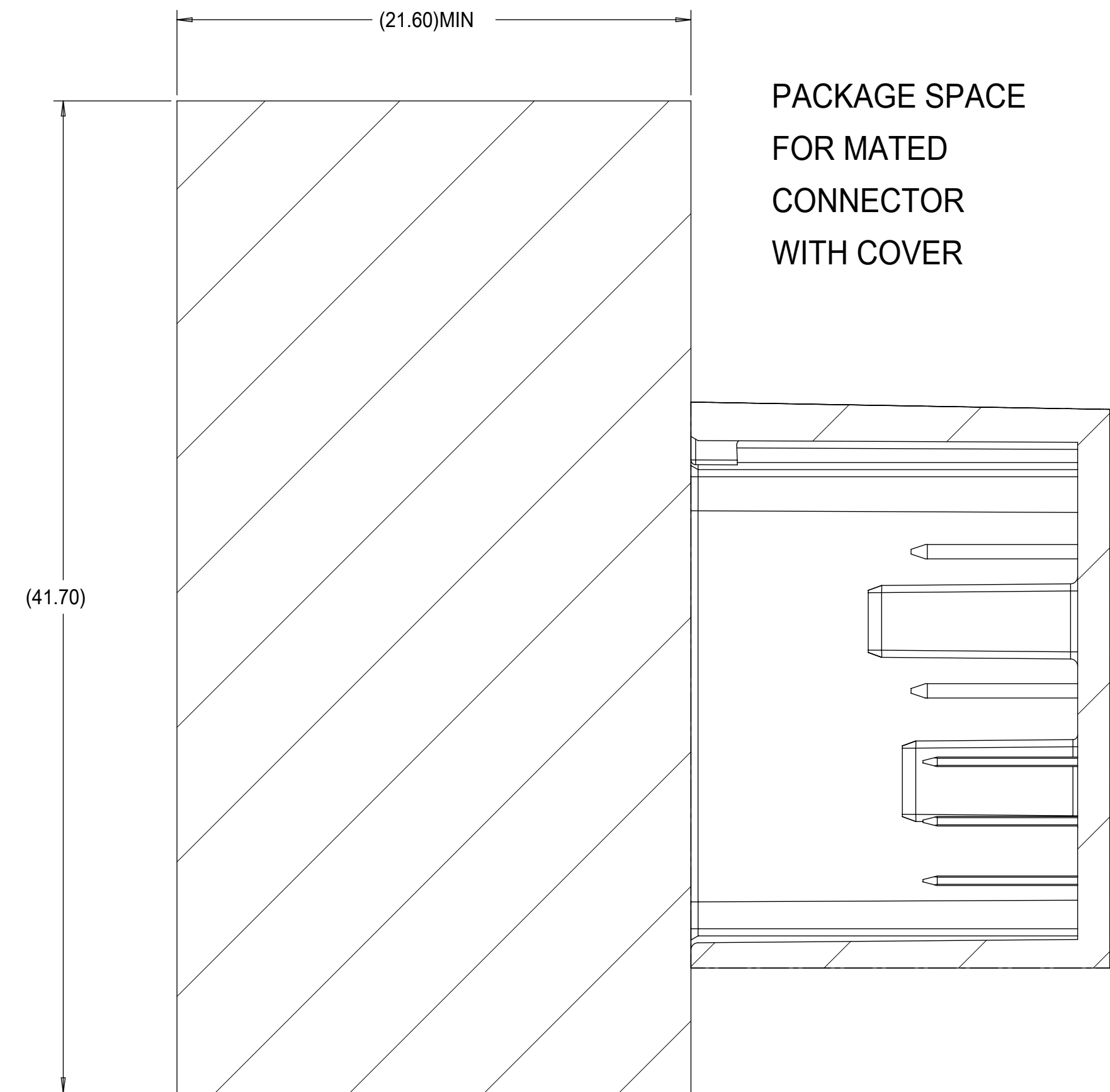
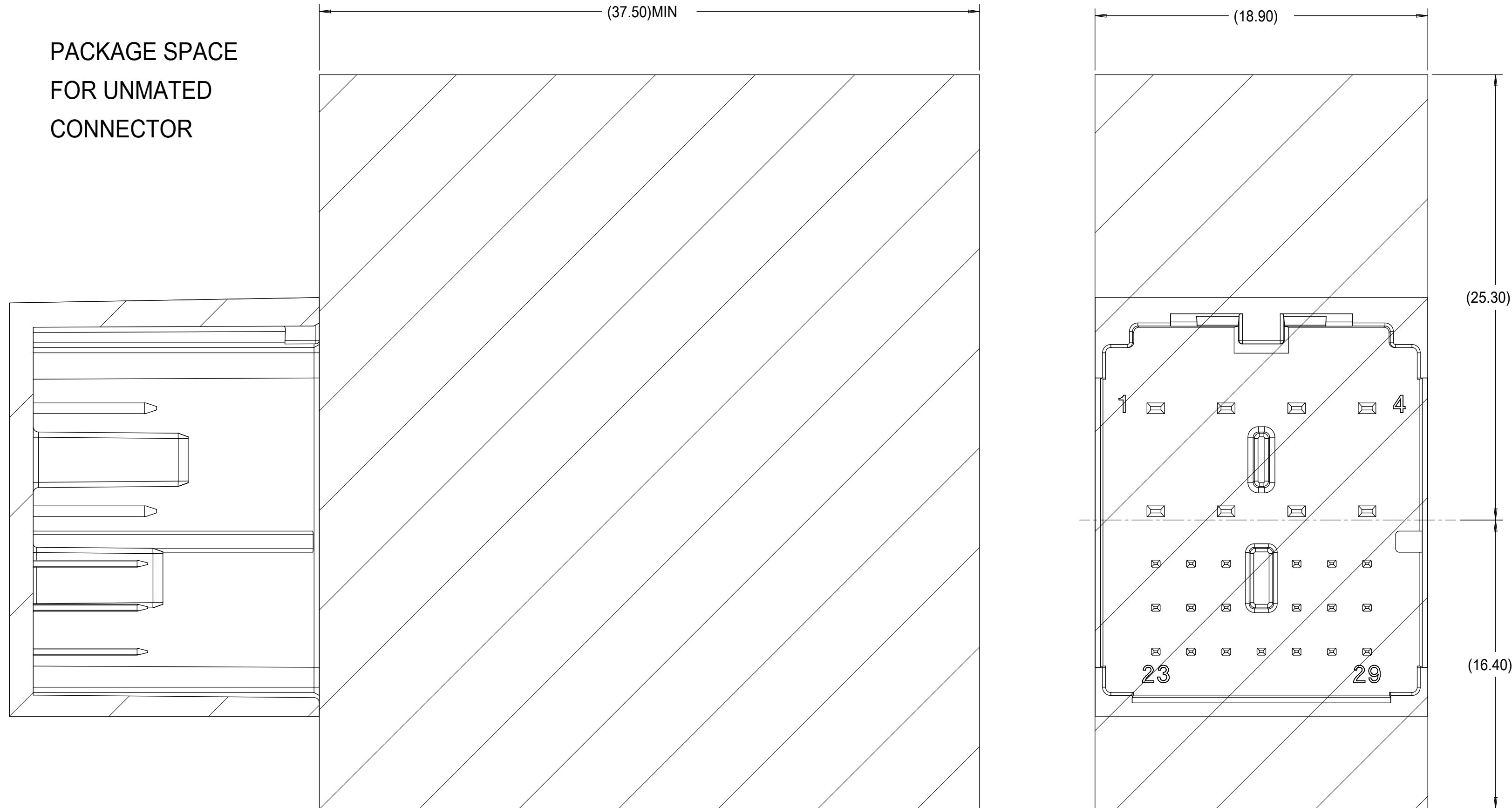
DETAIL 5
SCALE 10:1

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
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	= 0	mm		5:1													
	= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 602204				27WAY STAK50H INTERFACE DRAWING							
	= 6	ANGULAR TOL ± °															
	= 0	4 PLACES ±		SEE NOTES		DRWN: JCONDON 2018/08/02				PRODUCT CUSTOMER DRAWING							
	= 0	3 PLACES ±				CHK'D: JCONDON 2018/08/03											
	= 0	2 PLACES ±				APPR: MVANSLAMBROU 2018/08/03											
	= 0	1 PLACE ±		INITIAL REVISION:		DRWN: DAHALL 2013/11/20				DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
	= 0	0 PLACES ±								SD-160029-002		PSD		001		B1	
	= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
	= 0							D-SIZE		160029				GENERAL MARKET		2 OF 3	

PACKAGE SPACE FOR CONNECTOR

PACKAGE SPACE FOR UNMATED CONNECTOR

PACKAGE SPACE
FOR MATED
CONNECTOR
WITH COVER



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 DIMENSION BALLOONS				molex									
mm		5:1															
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 602204 DRWN: JCONDON 2018/08/02 CHK'D: JCONDON 2018/08/03 APPR: MVANSLAMBROU 2018/08/03				27WAY STAK50H INTERFACE DRAWING											
ANGULAR TOL ± °																	
4 PLACES ±		INITIAL REVISION: DRWN: DAHALL 2013/11/20 APPR: KDEKOSKI 2014/01/02				DOCUMENT NUMBER SD-160029-002		DOC TYPE PSD	DOC PART 001	REVISION B1							
3 PLACES ±																	
2 PLACES ±		PRODUCT CUSTOMER DRAWING															
1 PLACE ±																	
0 PLACES ±		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING D-SIZE		SERIES 160029		MATERIAL NUMBER		CUSTOMER GENERAL MARKET		SHEET NUMBER 3 OF 3	

DOCUMENT STATUS	P1	RELEASE DATE	2018/08/03	19:41:35
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