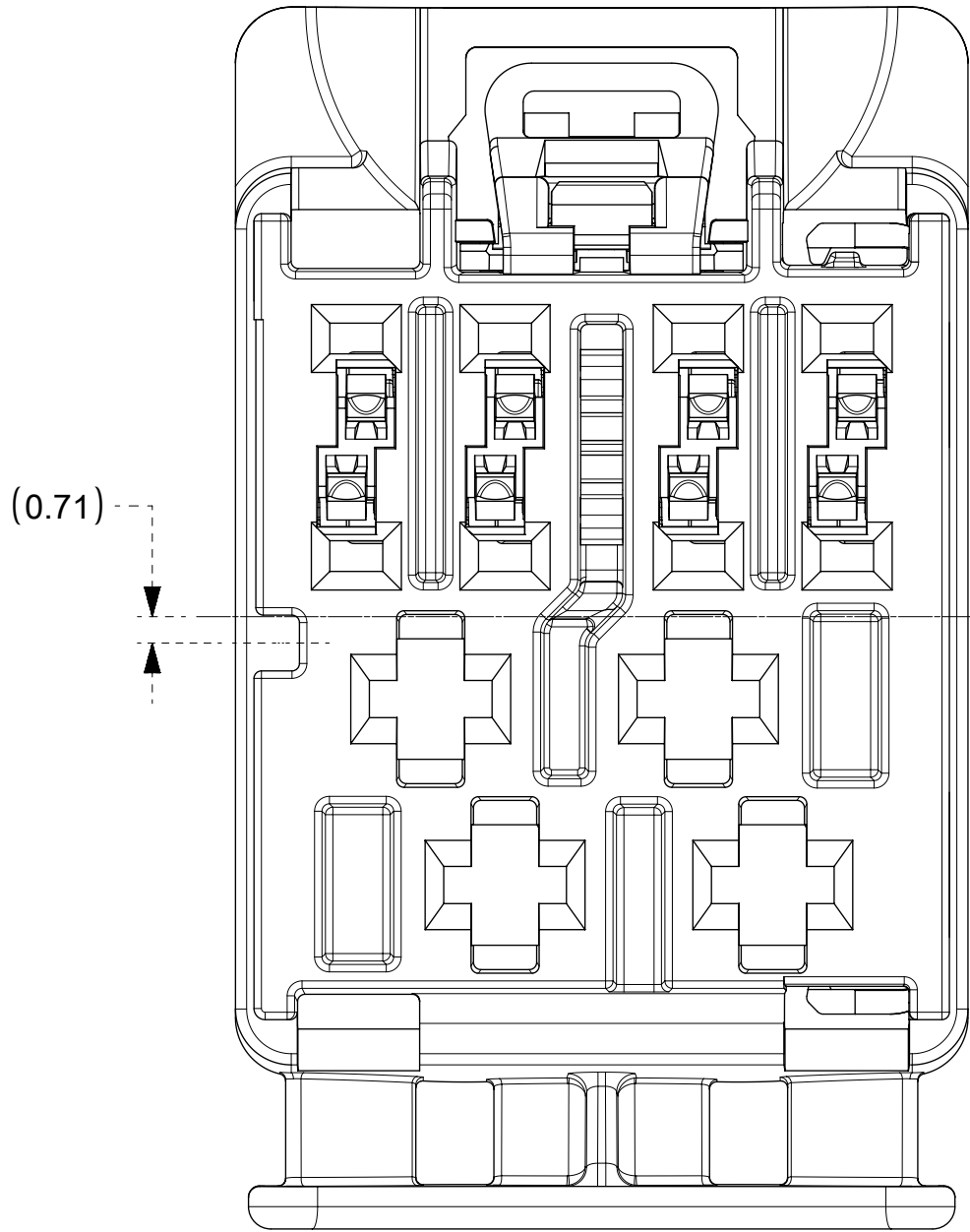
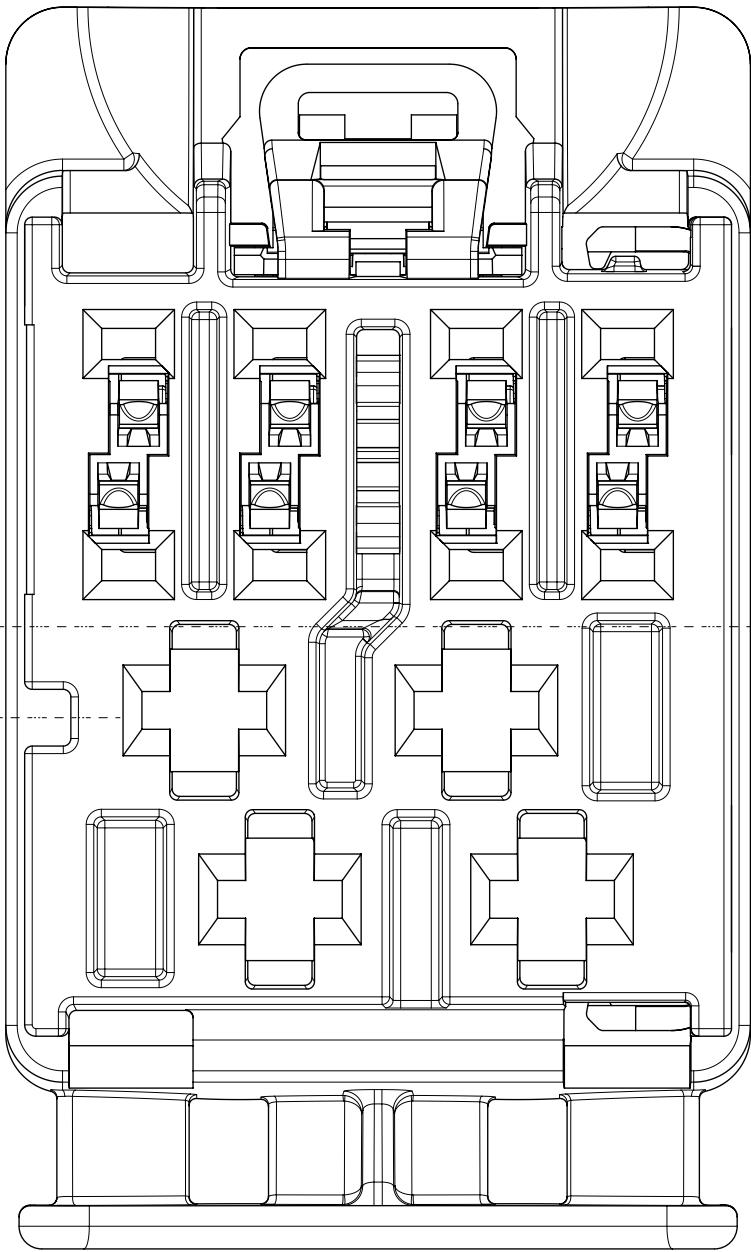
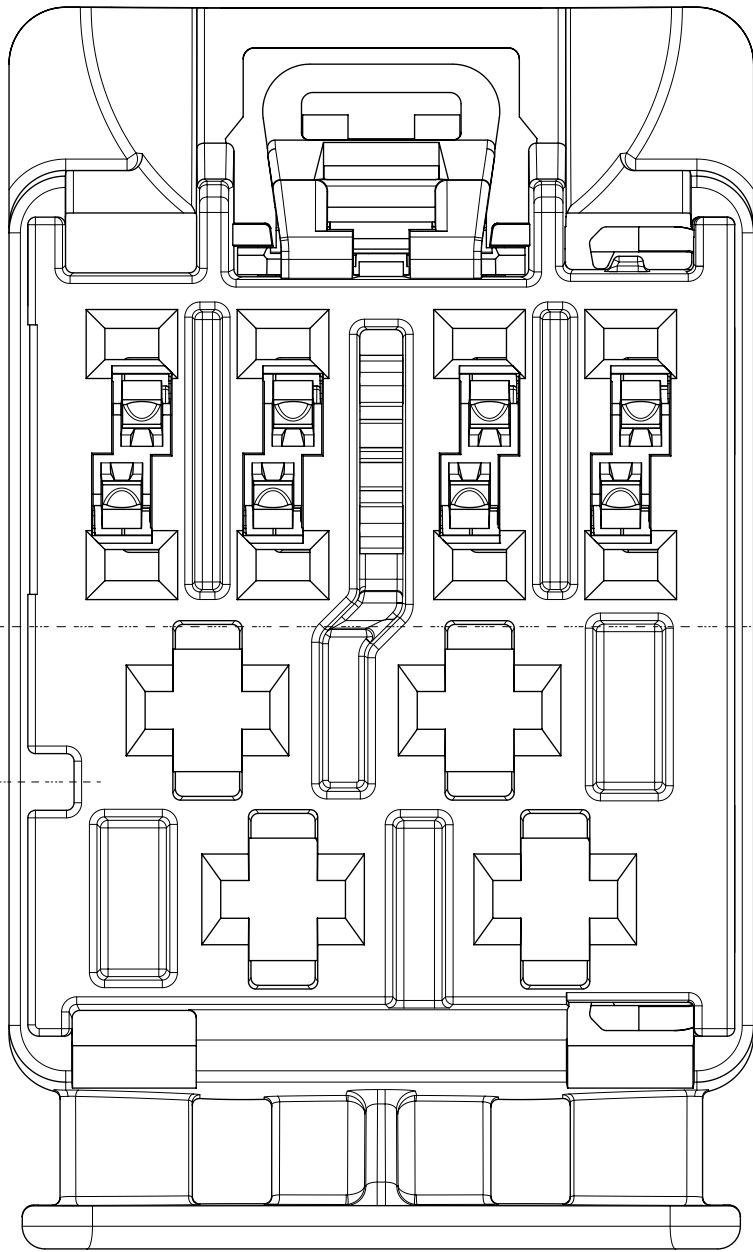




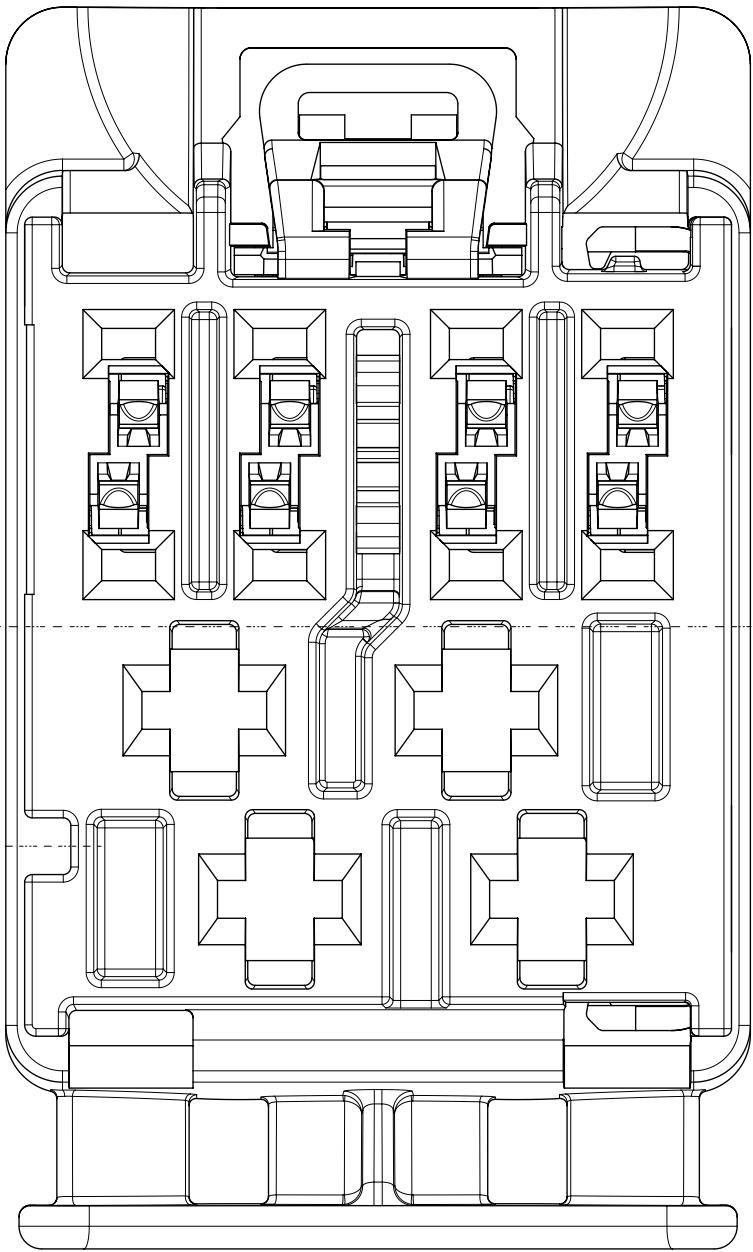
12WAY CONNECTOR ASSEMBLY
KEY 1
P/N 1600260001



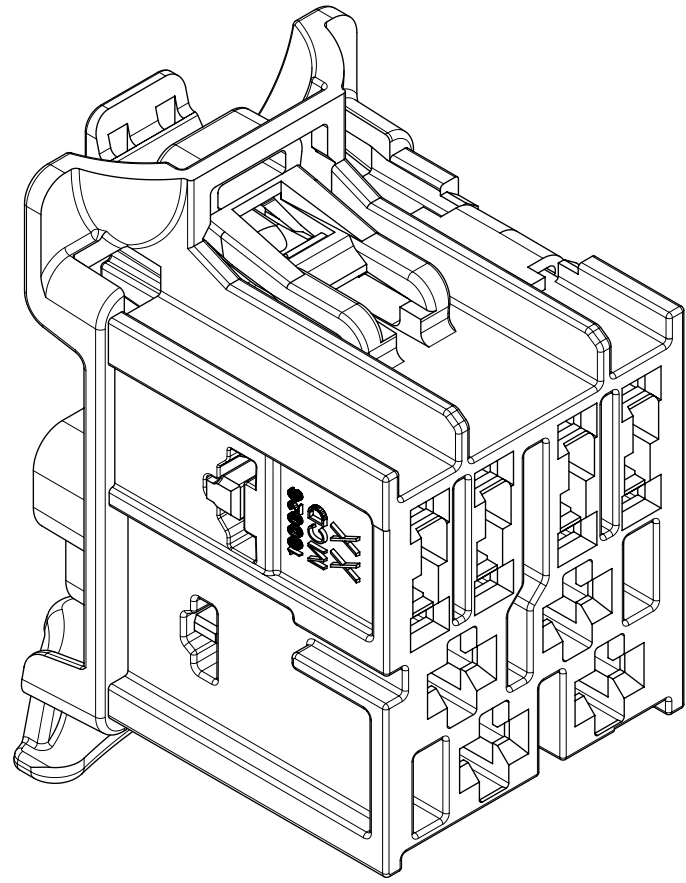
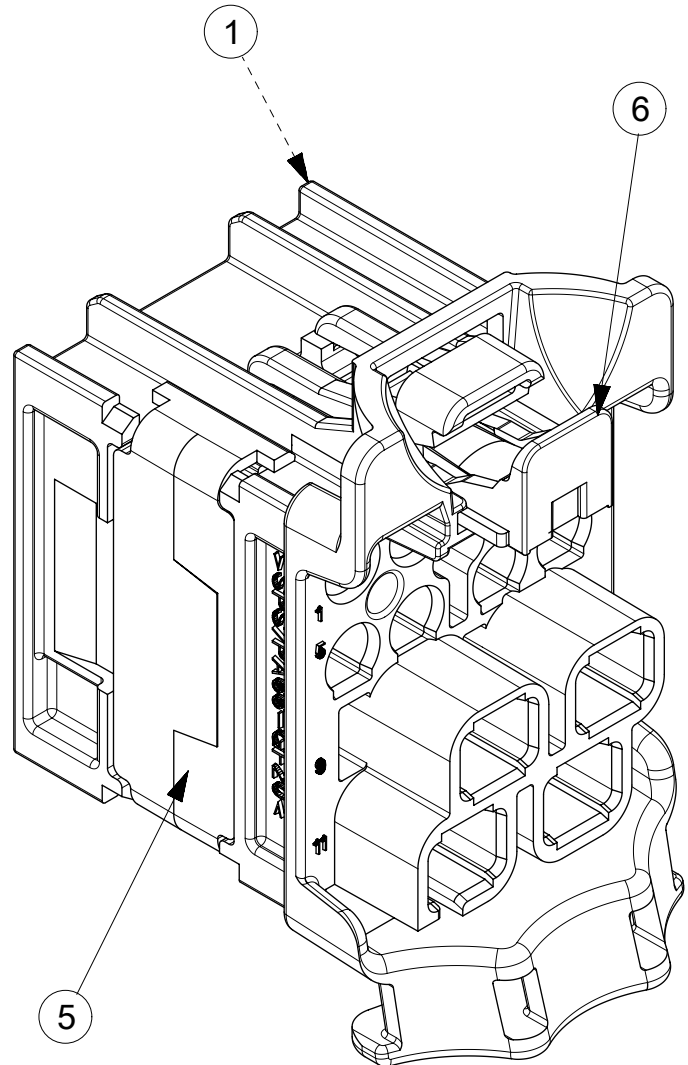
12WAY CONNECTOR ASSEMBLY
KEY 2
P/N 1600260002



12WAY CONNECTOR ASSEMBLY
KEY 3
P/N 1600260003



12WAY CONNECTOR ASSEMBLY
KEY 4
P/N 1600260004



勝特力電材超市-龍山店 886-3-5773766
勝特力電材超市-光復店 886-3-5729570
胜特力电子(上海) 86-21-34970699
胜特力电子(深圳) 86-755-83298787
<http://www.100y.com.tw>

- 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
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

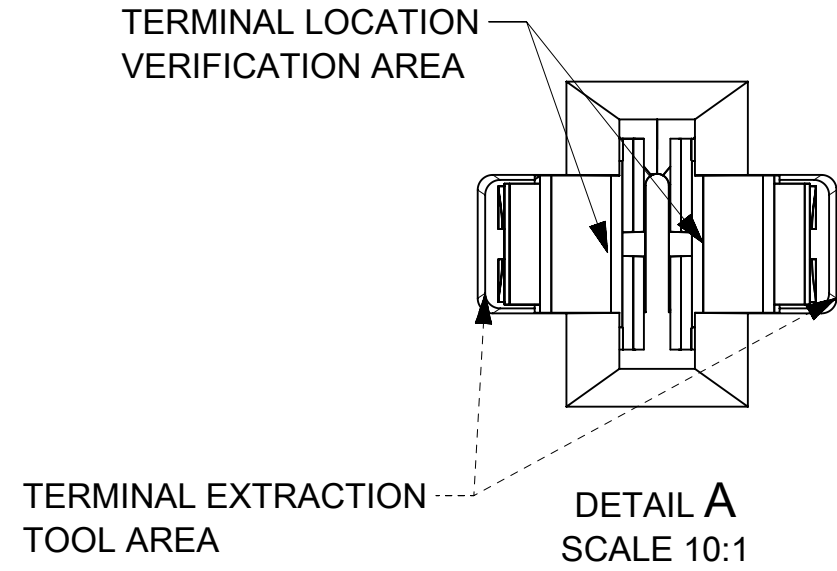
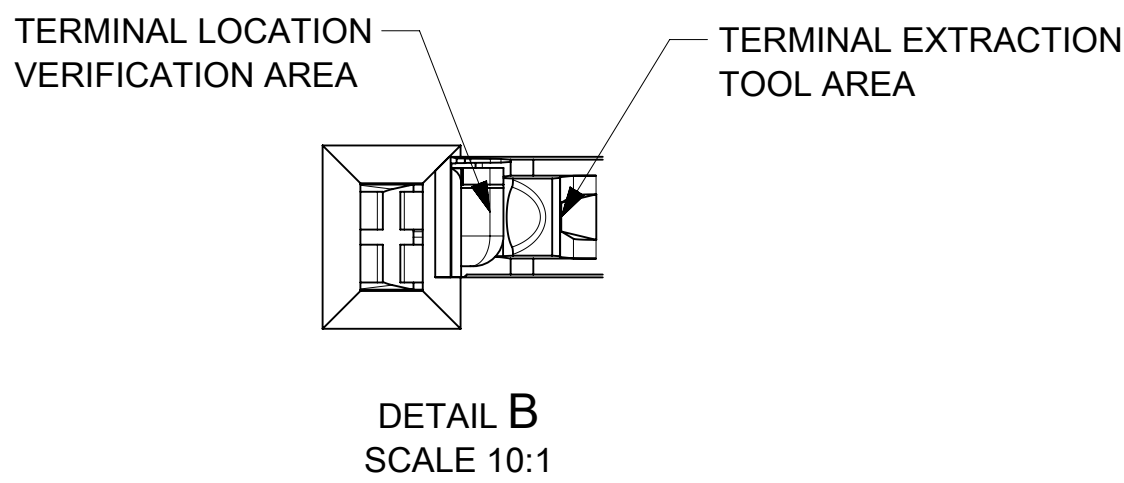
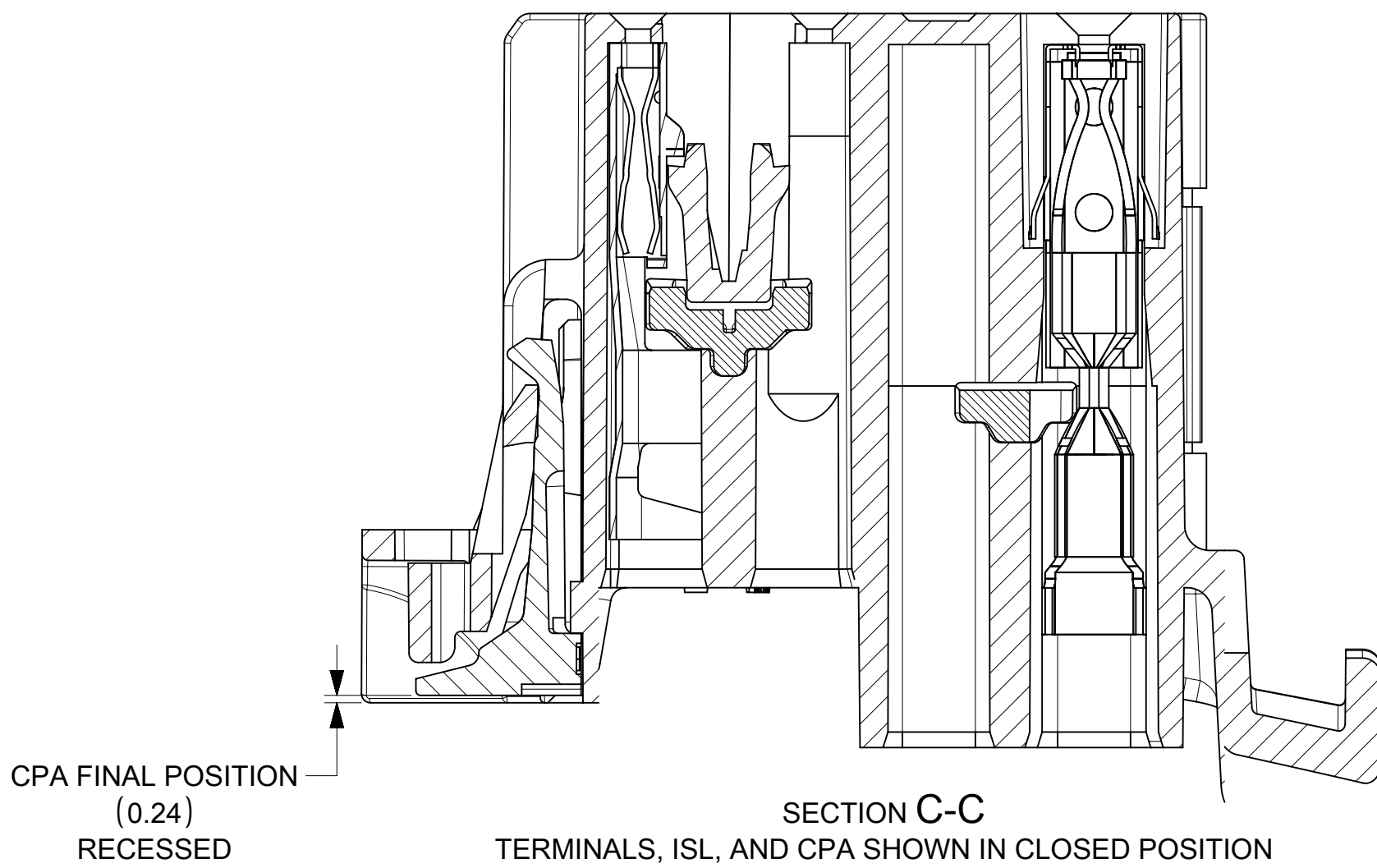
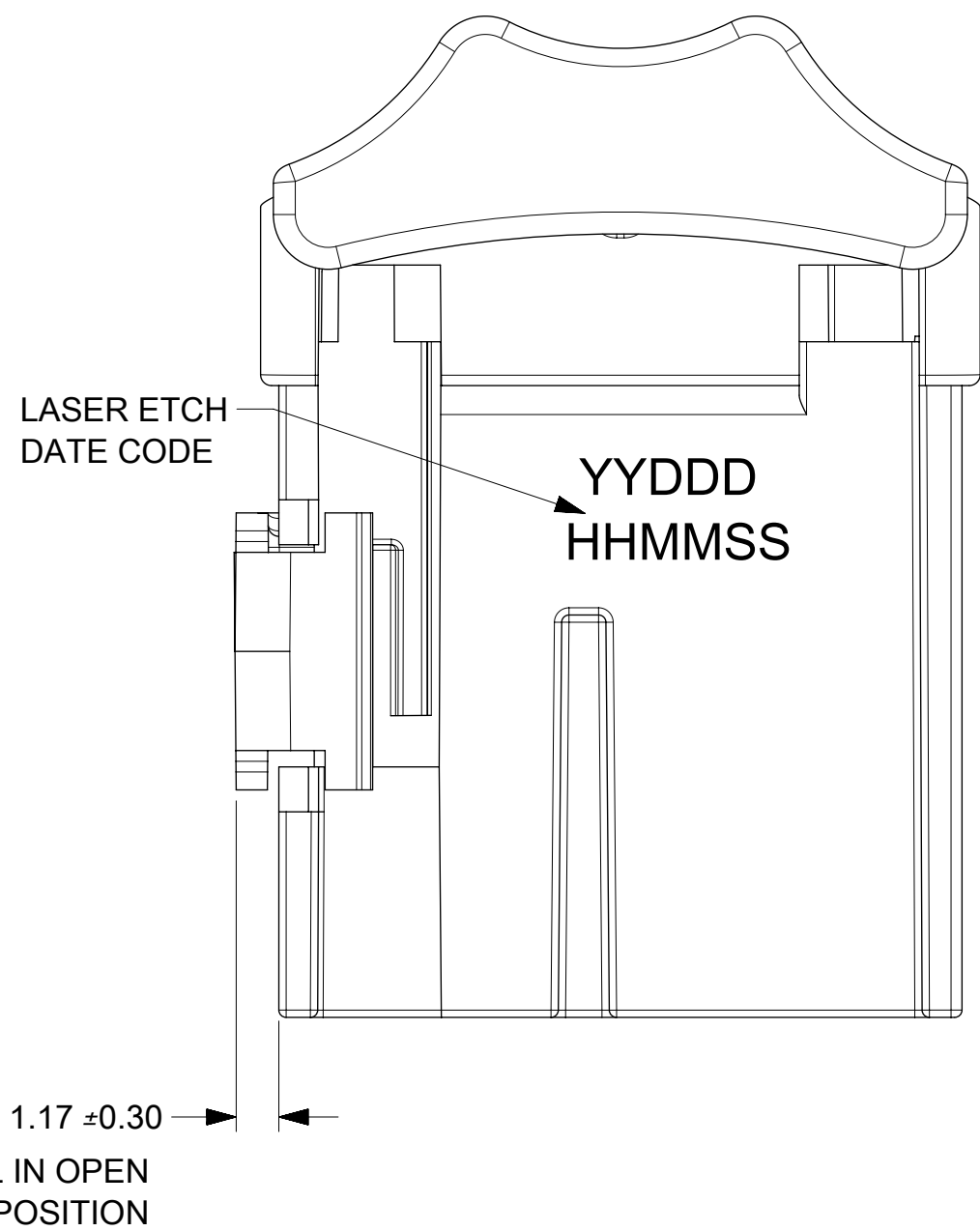
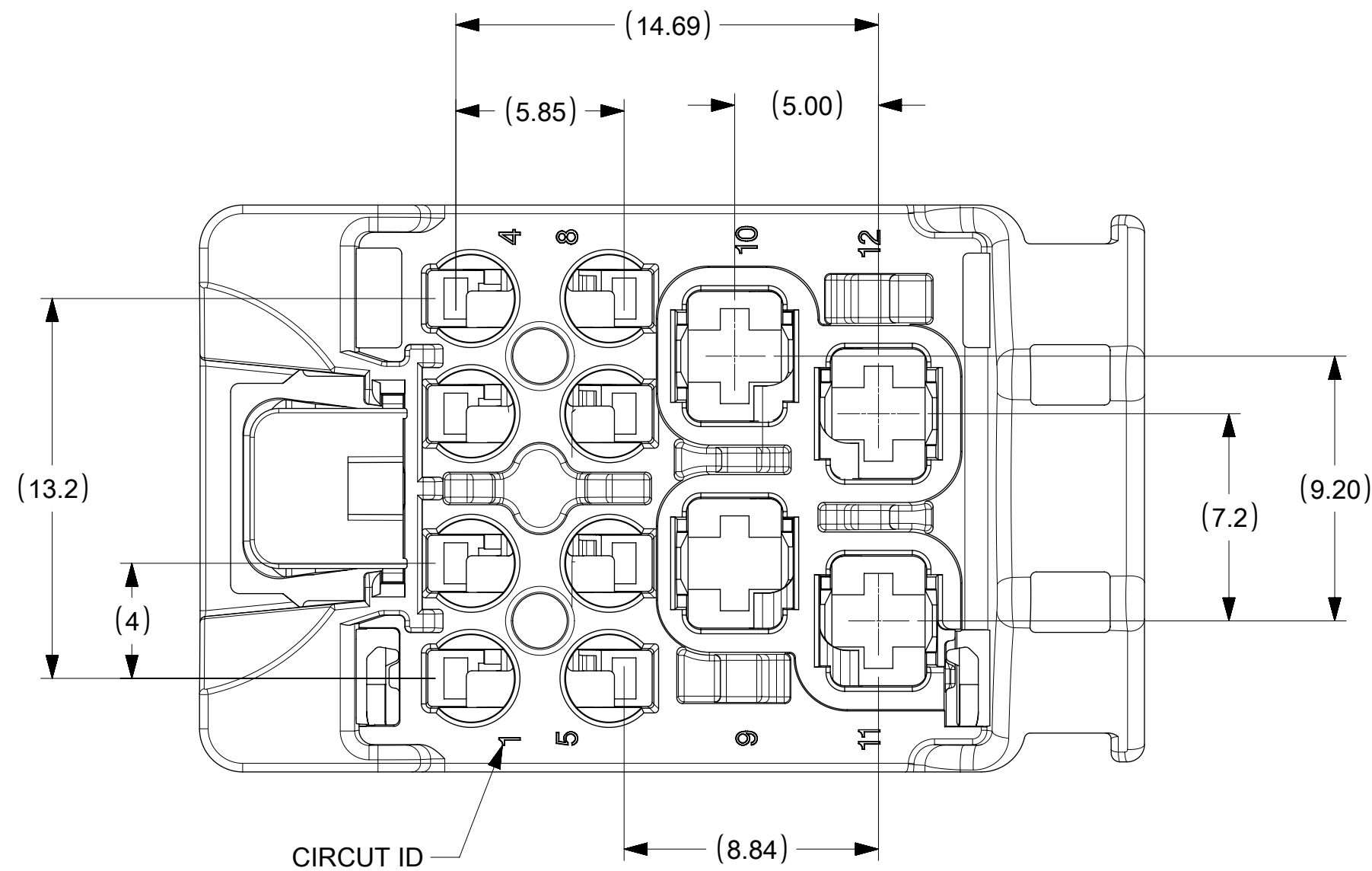
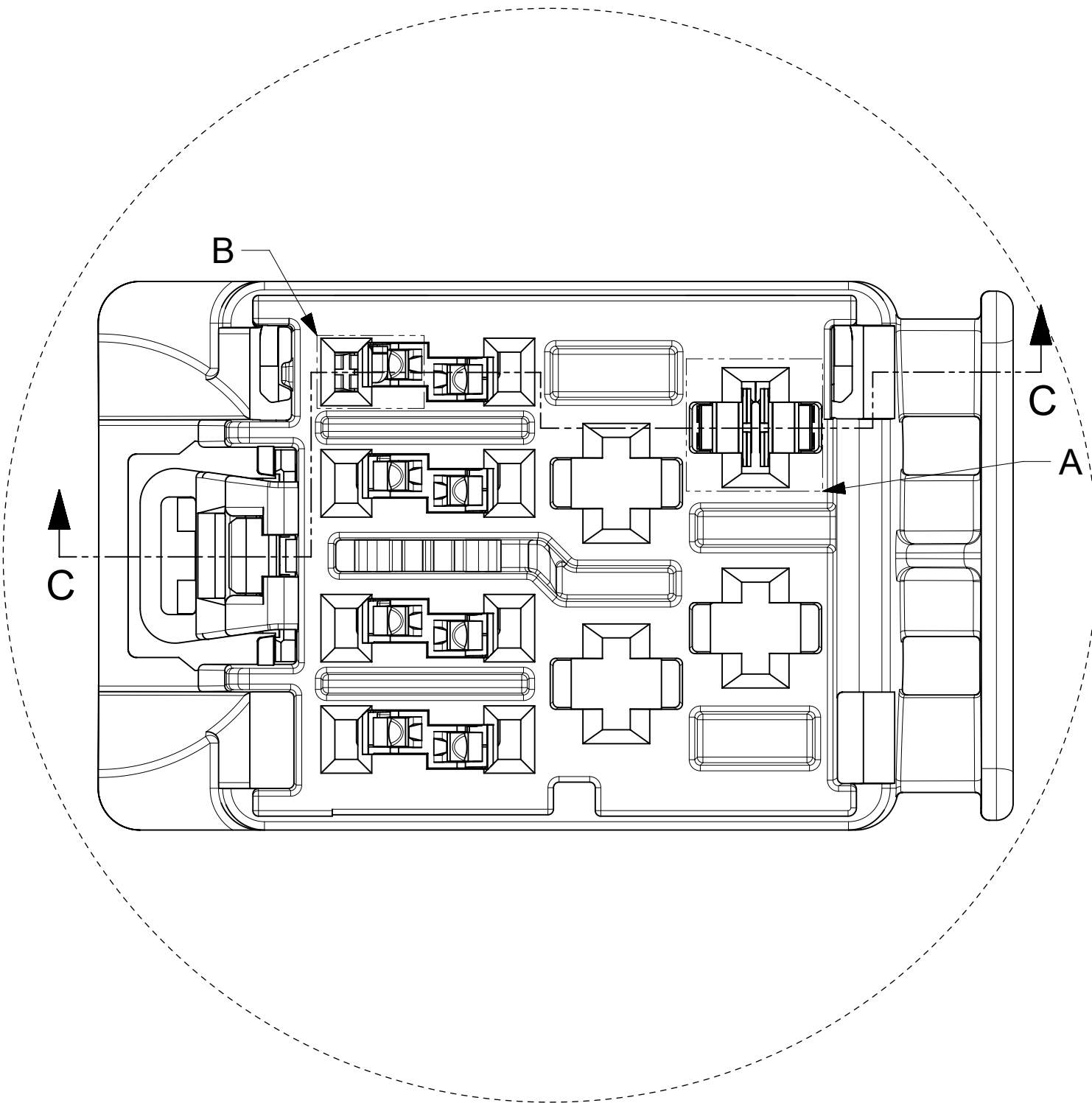
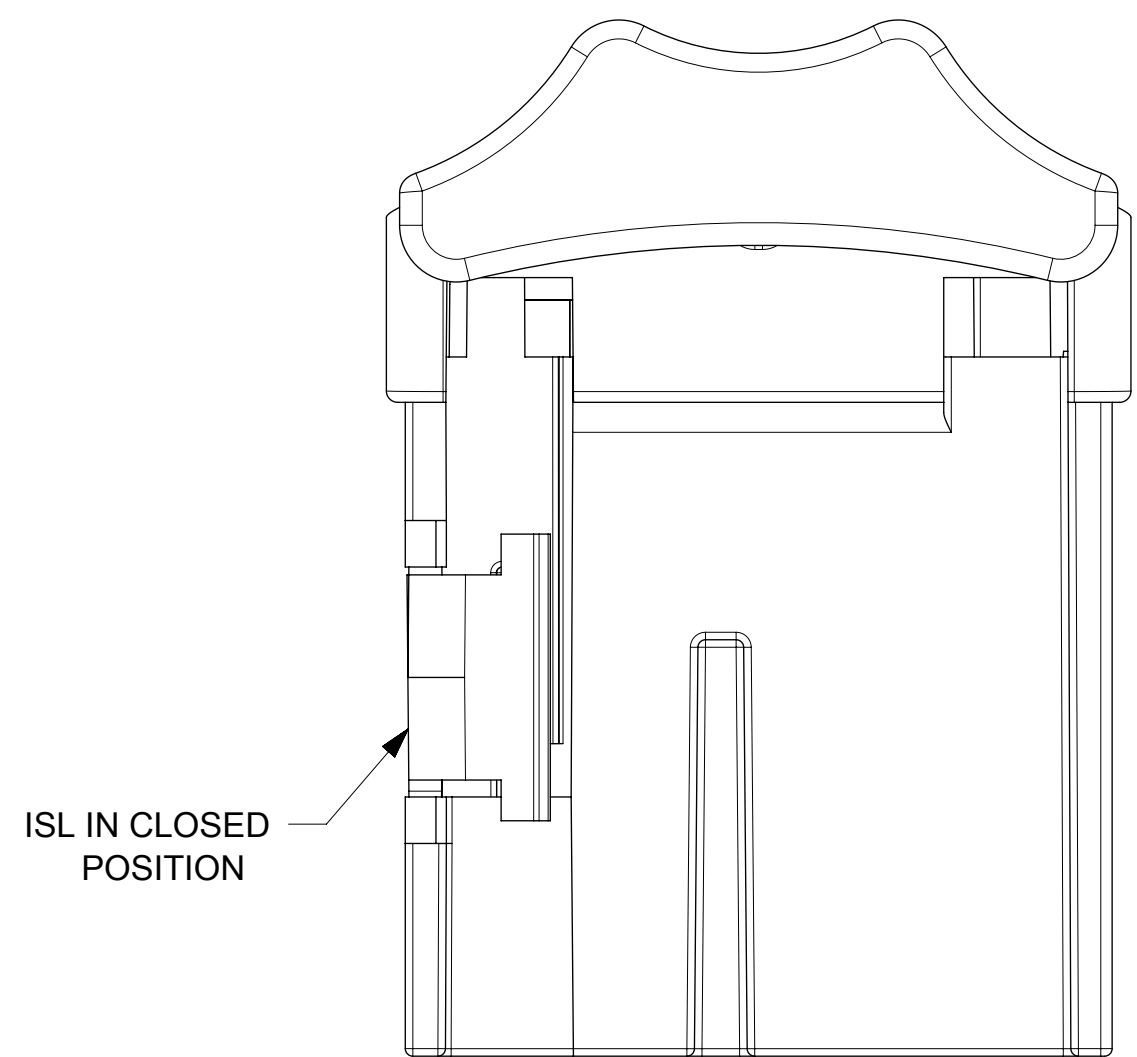
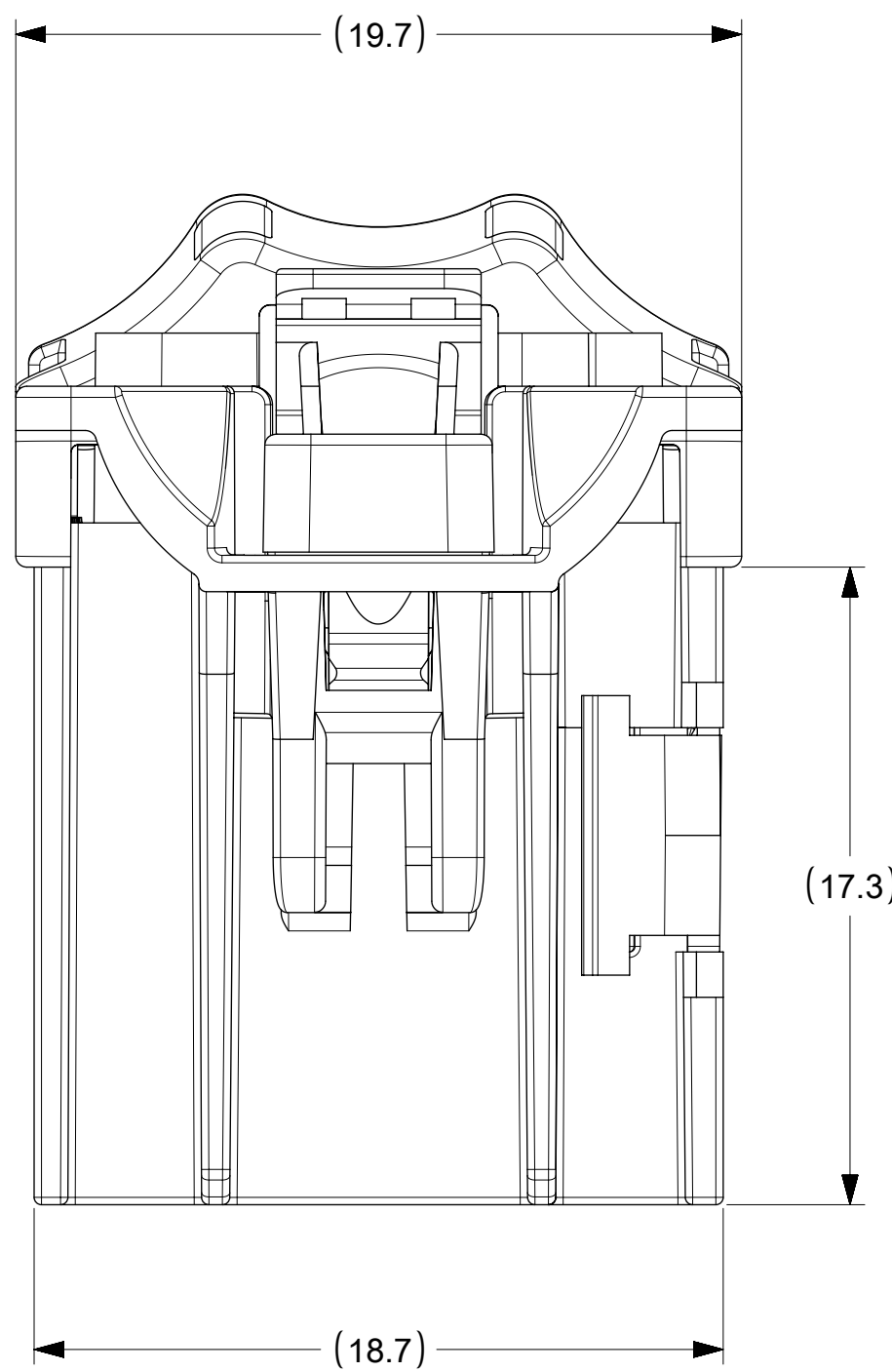
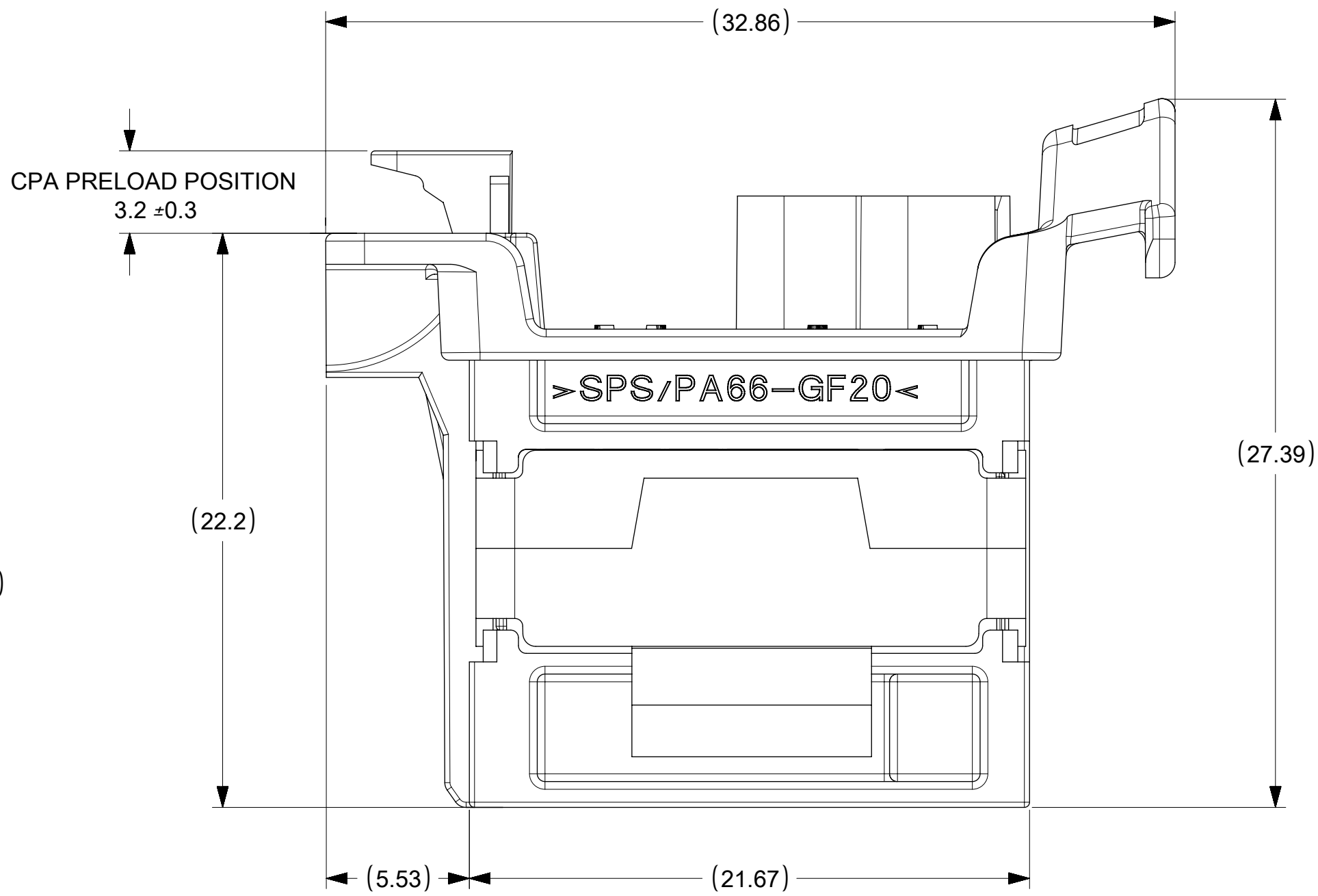
MOLEX ASSEMBLY PART NO.'S	
1600260001	KEY 1
1600260002	KEY 2
1600260003	KEY 3
1600260004	KEY 4

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

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

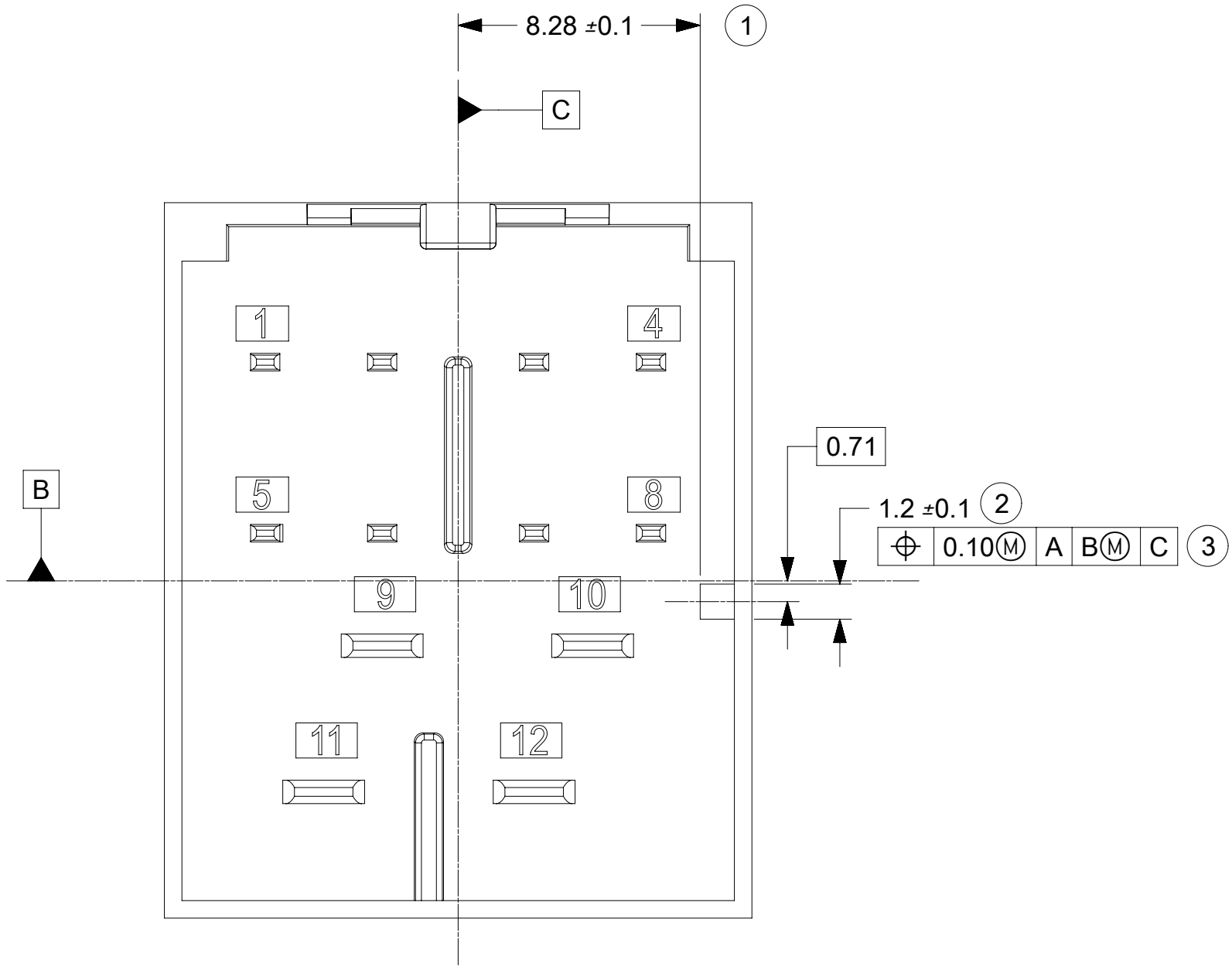
SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
<div><div><div><div></div></div><div>= 0</div></div><div><div><div></div></div><div>= 0</div></div><div><div><div></div></div><div>= 0</div>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

DOCUMENT STATUS	P1	RELEASE DATE	2019/08/13	14:53:57
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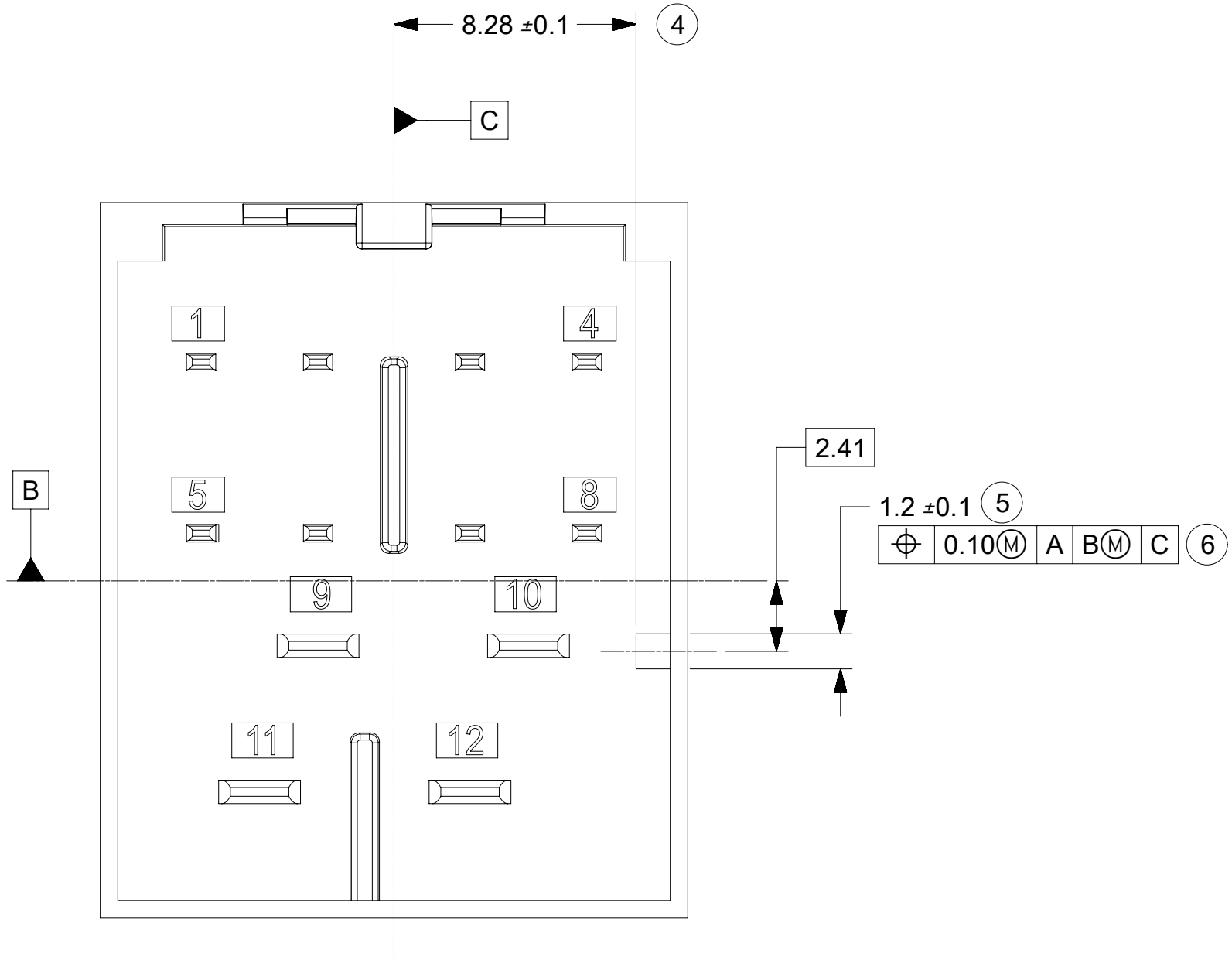


SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
		DIMENSION UNITS		SCALE		CURRENT REV DESC: SEE TABLE				<div>molex</div> <div>12WAY STAK50H HYBRID CONNECTOR ASSEMBLY</div>			
		mm				EC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

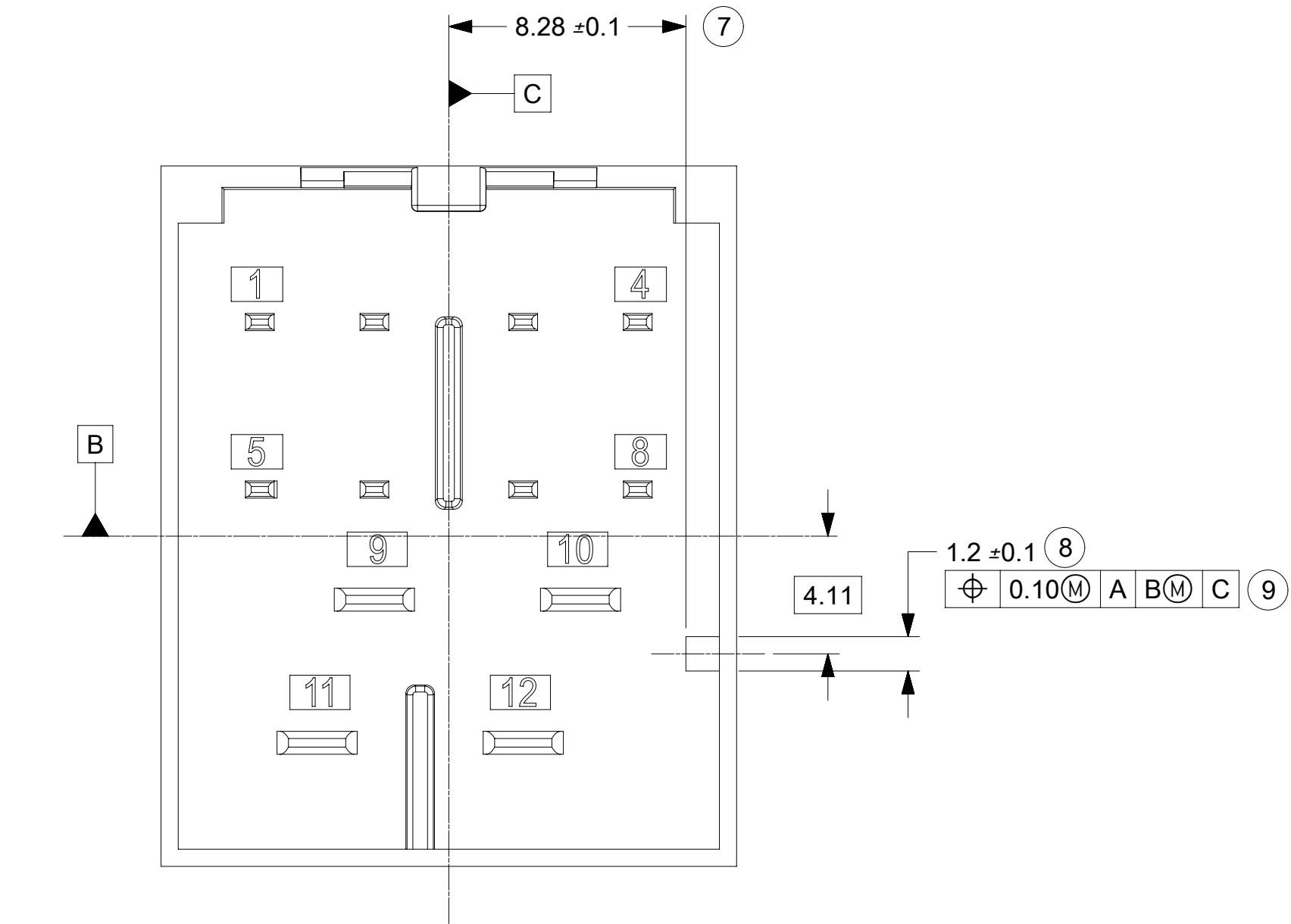
DOCUMENT STATUS	P1	RELEASE DATE	2019/08/13	14:53:57
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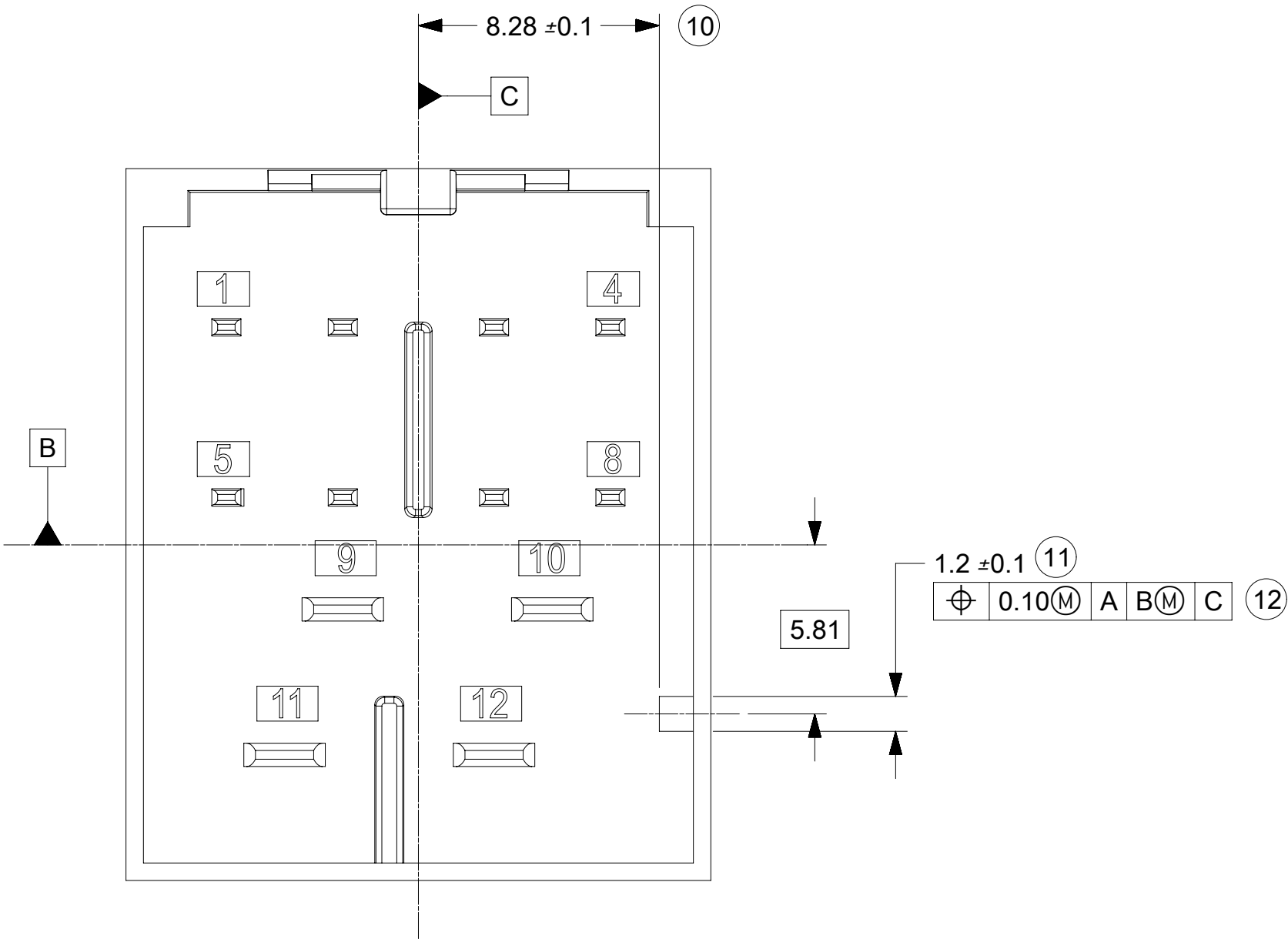
INTERFACE KEY #1
MATING CONNECTOR : BLACK



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

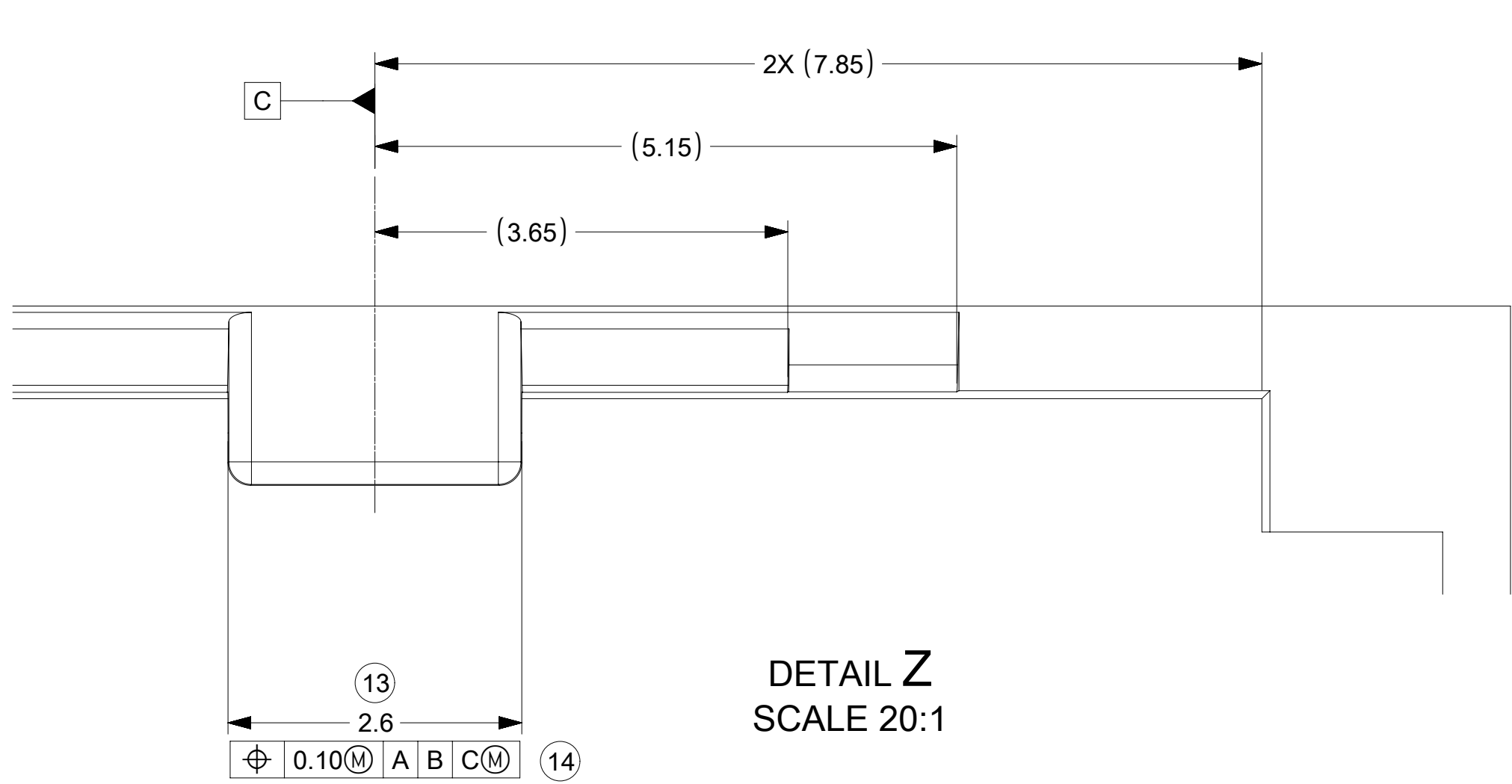
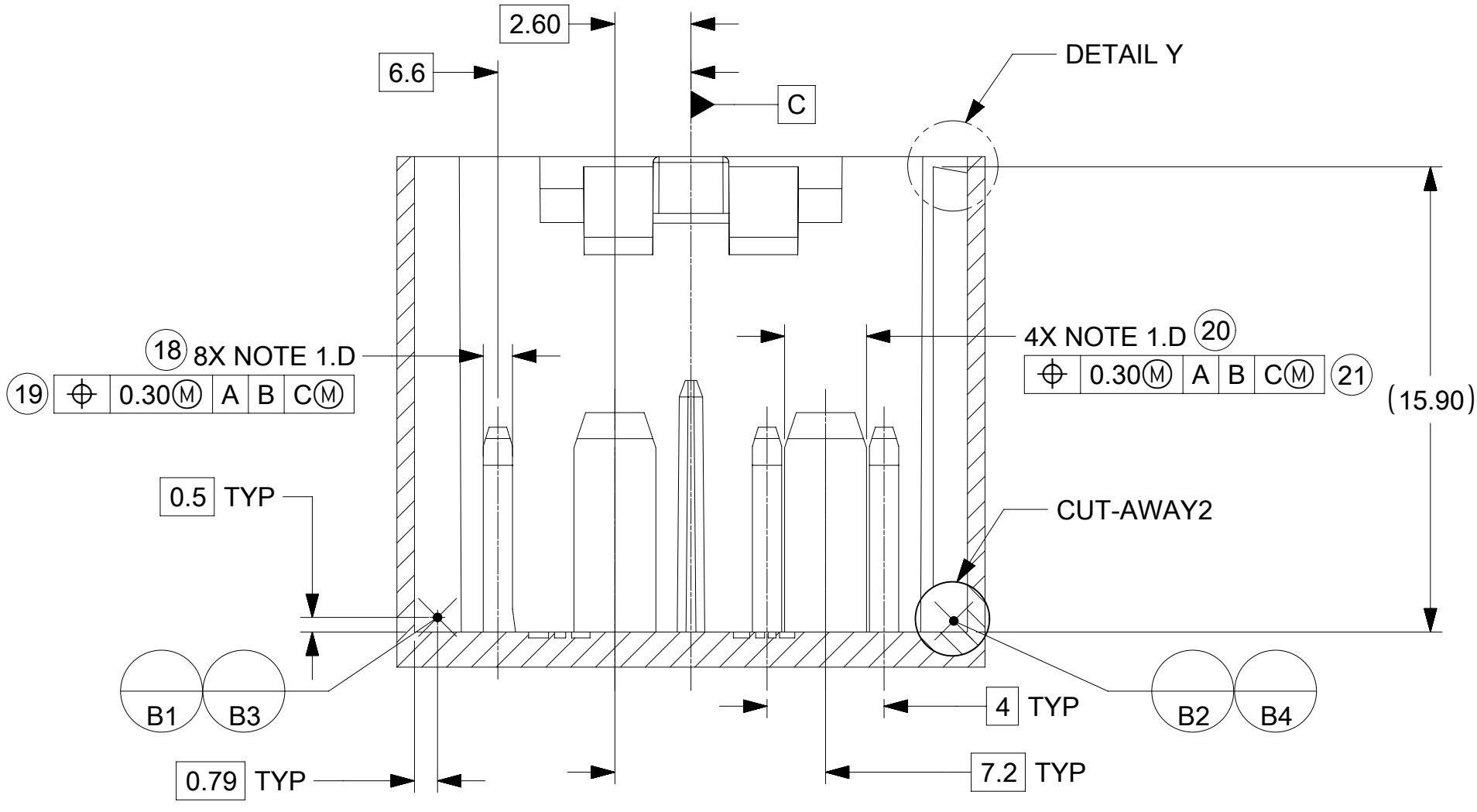
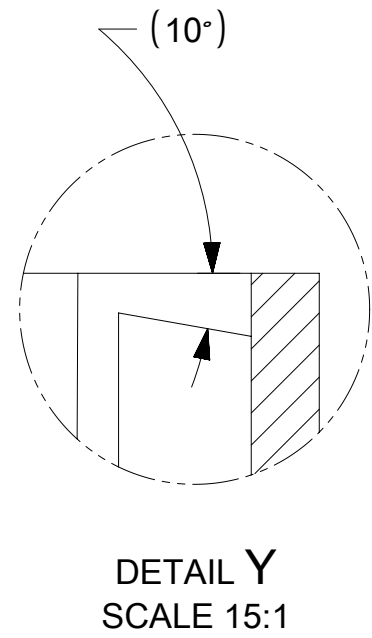
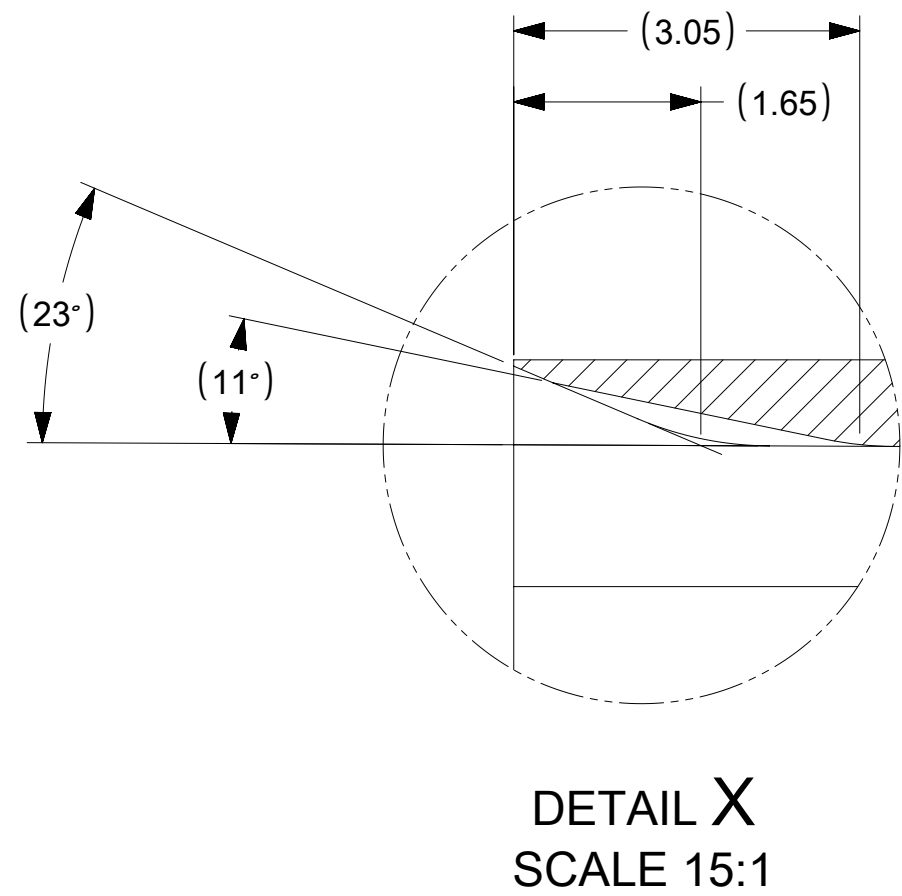
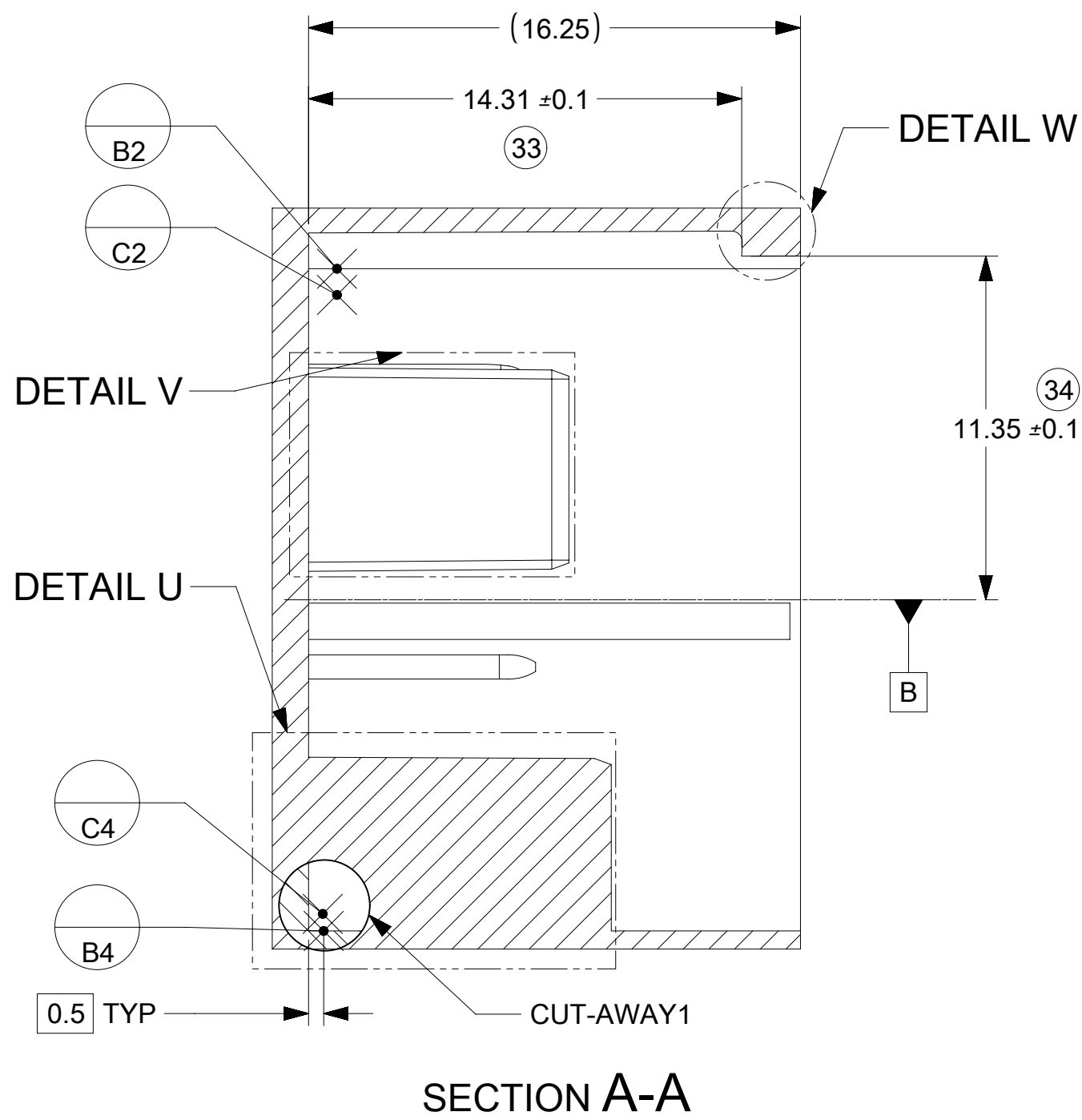
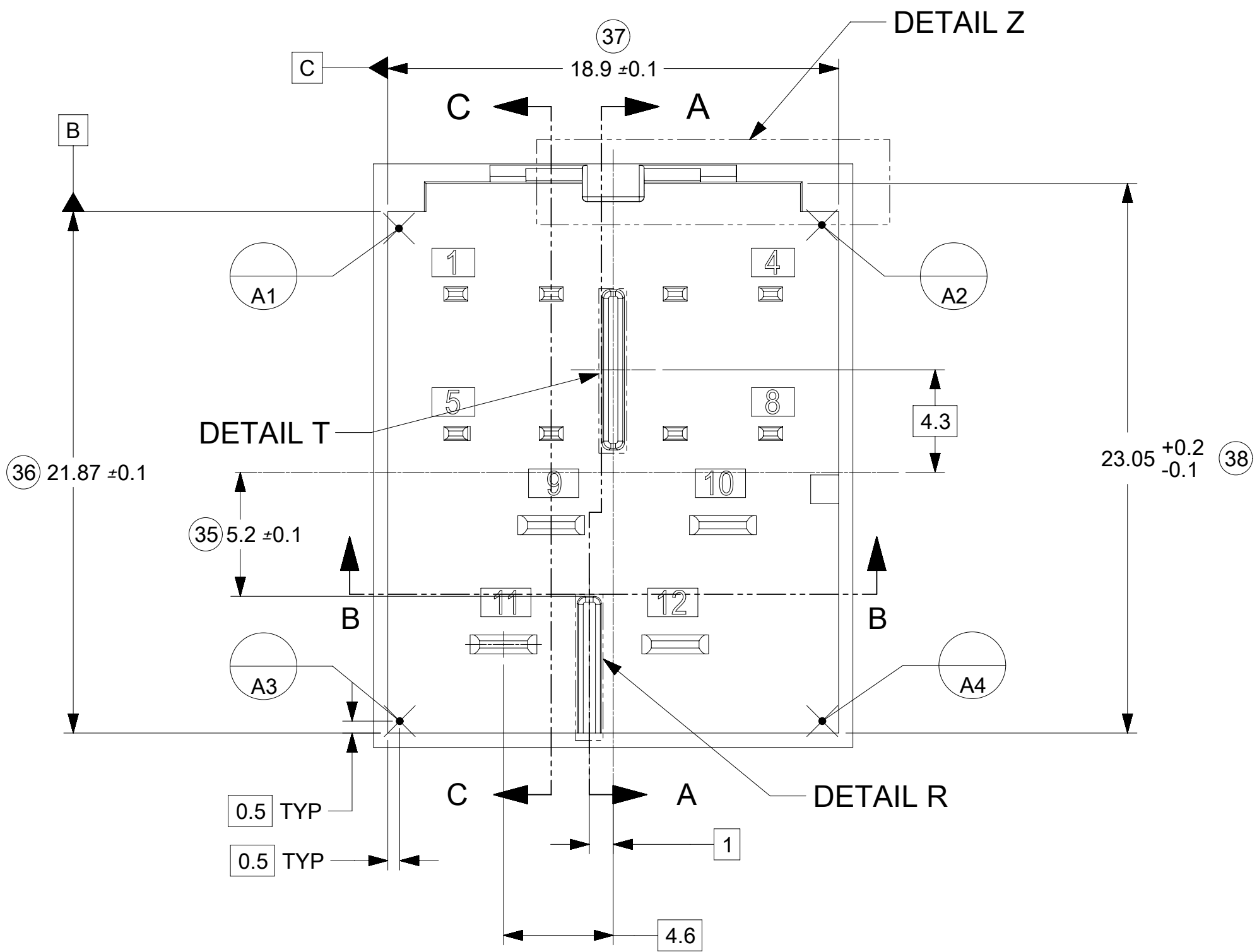
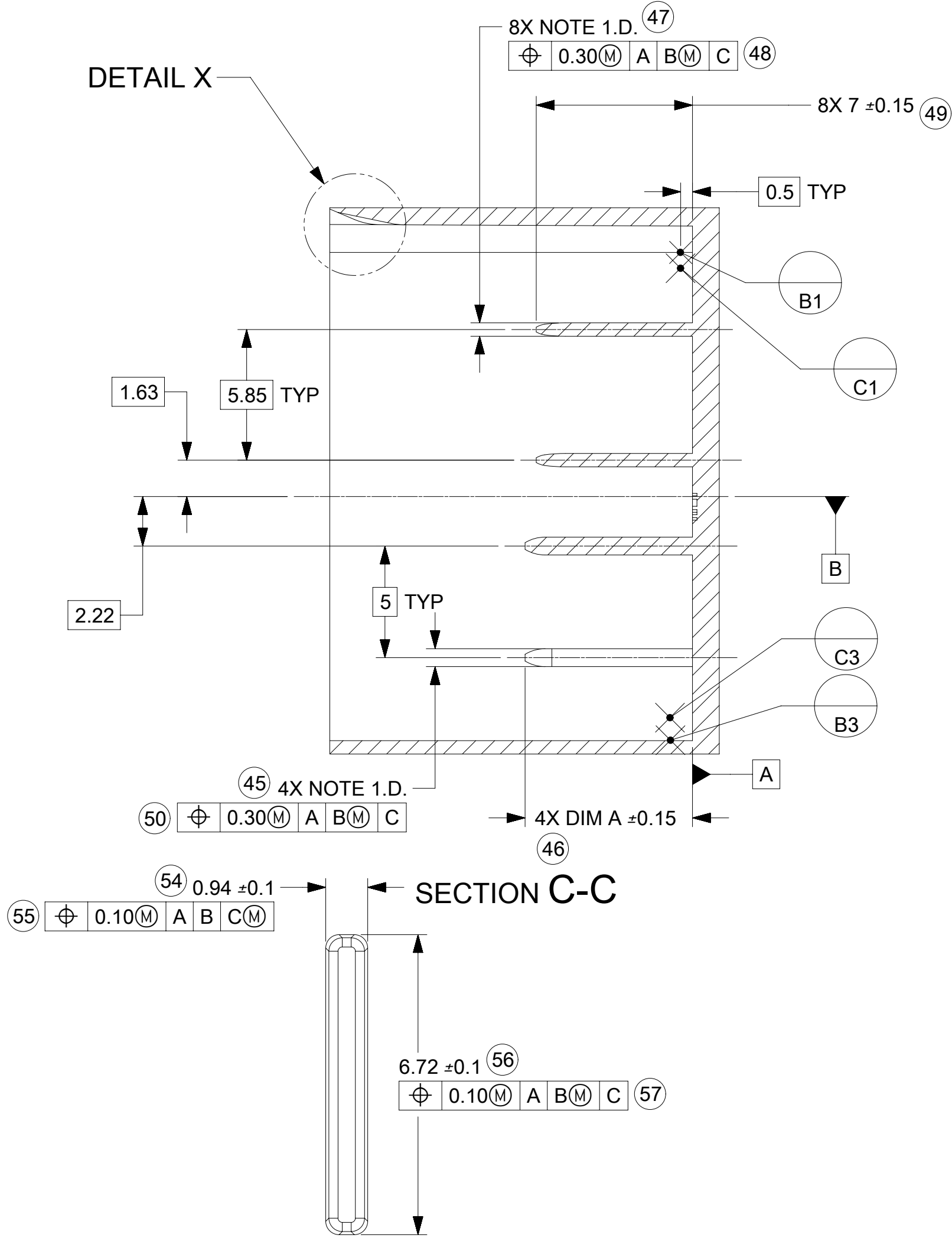
2. DRAWING - GEOMETRY:
- a. ALL GRAPHIC DATA IS BASIC (NO TOLERANCE) AND MUST BE TAKEN FROM THE DATA FILE AT ITS LATEST REVISION.
 - b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M-2009.
 - c. GENERAL TOLERANCES:
LINEAR : PER DIN 16901 LINEAR CODE B FOR PRECISION ENGINEERING
ANGULAR : ±3°
 - d.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

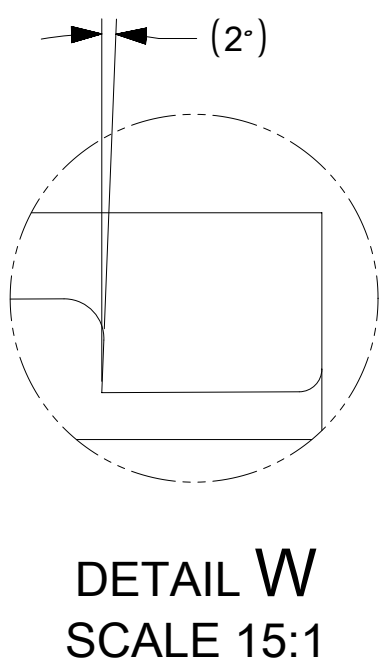
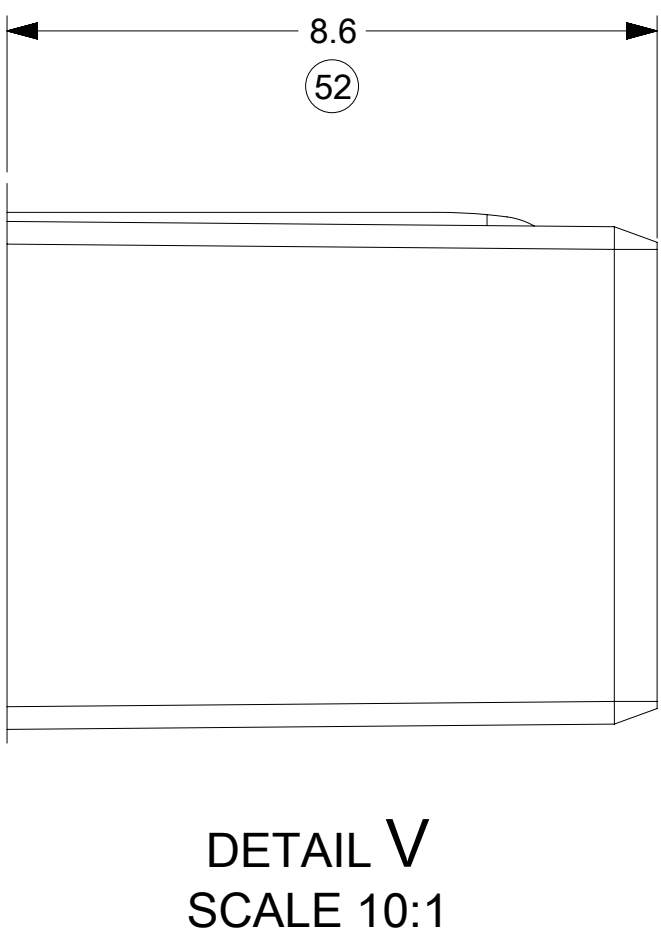
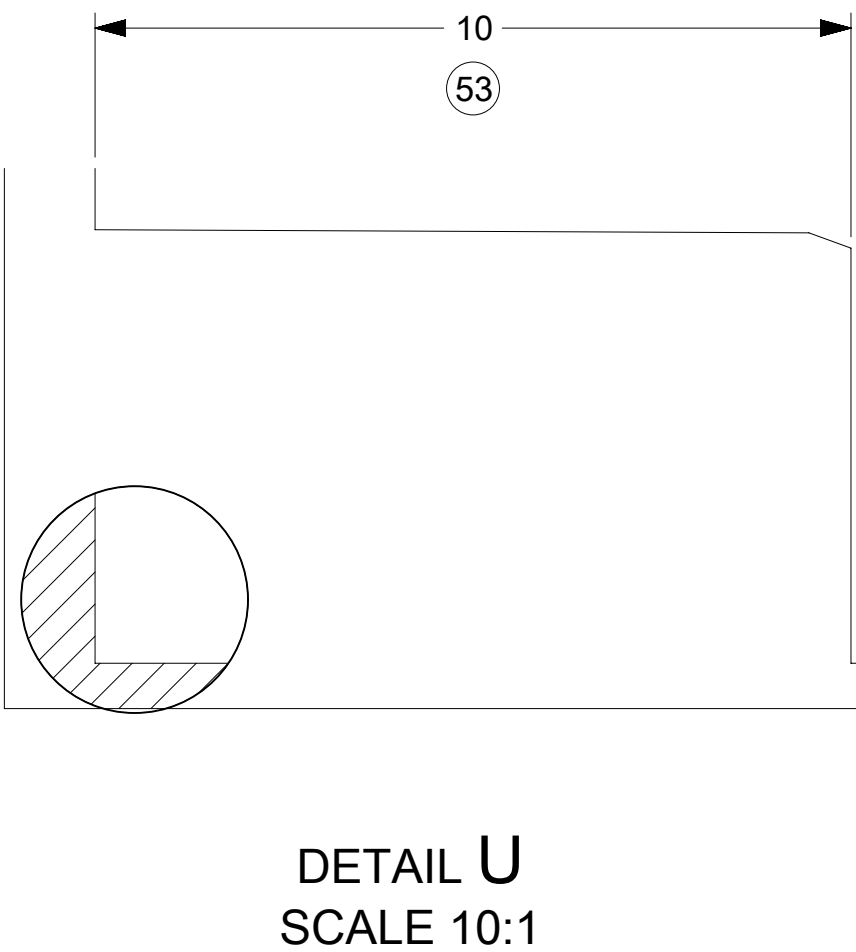
SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
= 0	DIMENSION UNITS	SCALE	CURRENT REV DESC: ADDED 2.8MM BLADE LENGTH VARIANT FOR MATE FORCE REQUIREMENT ADDED NOTE 1.E.1		
= 0	GENERAL TOLERANCES (UNLESS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



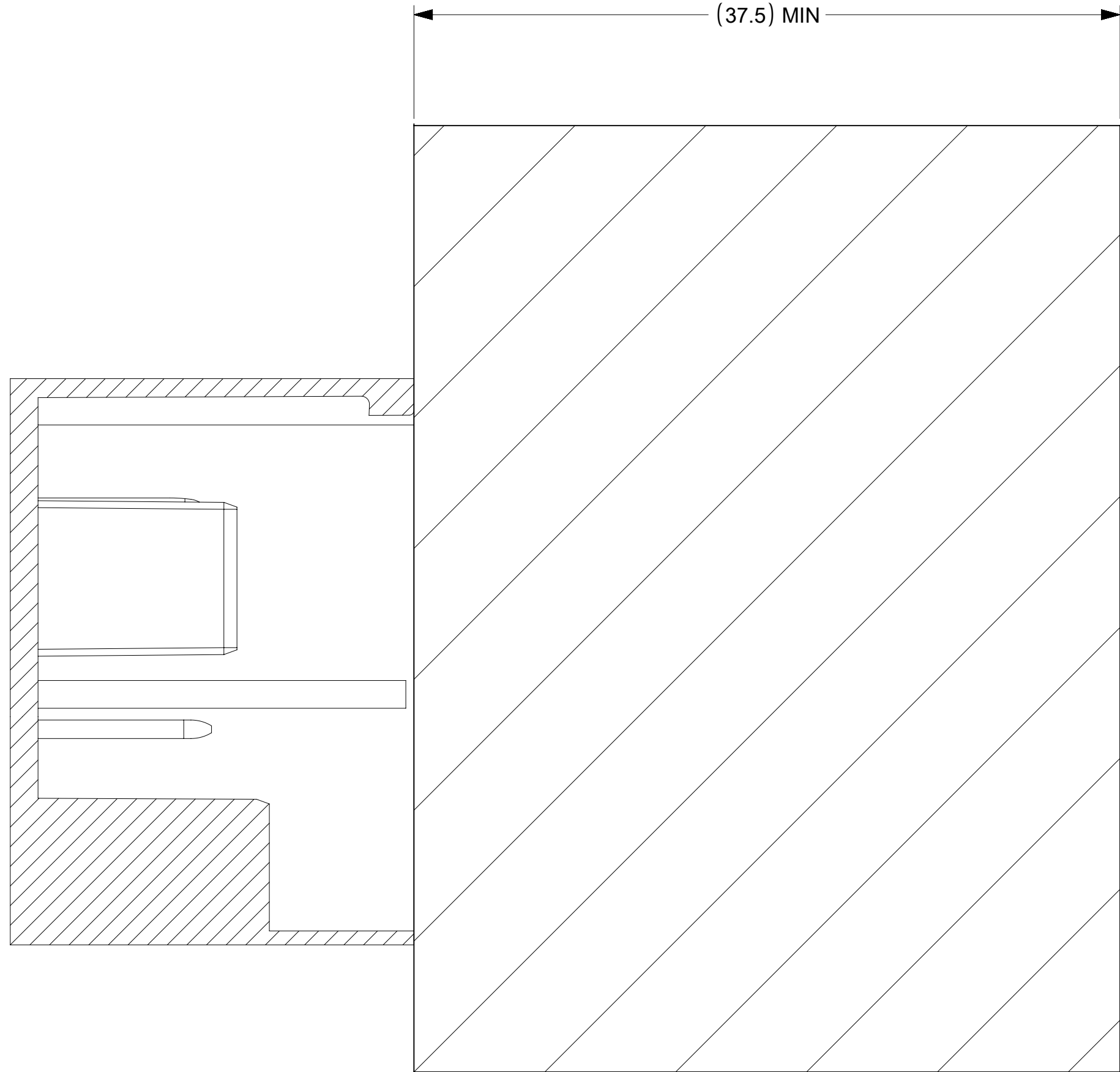
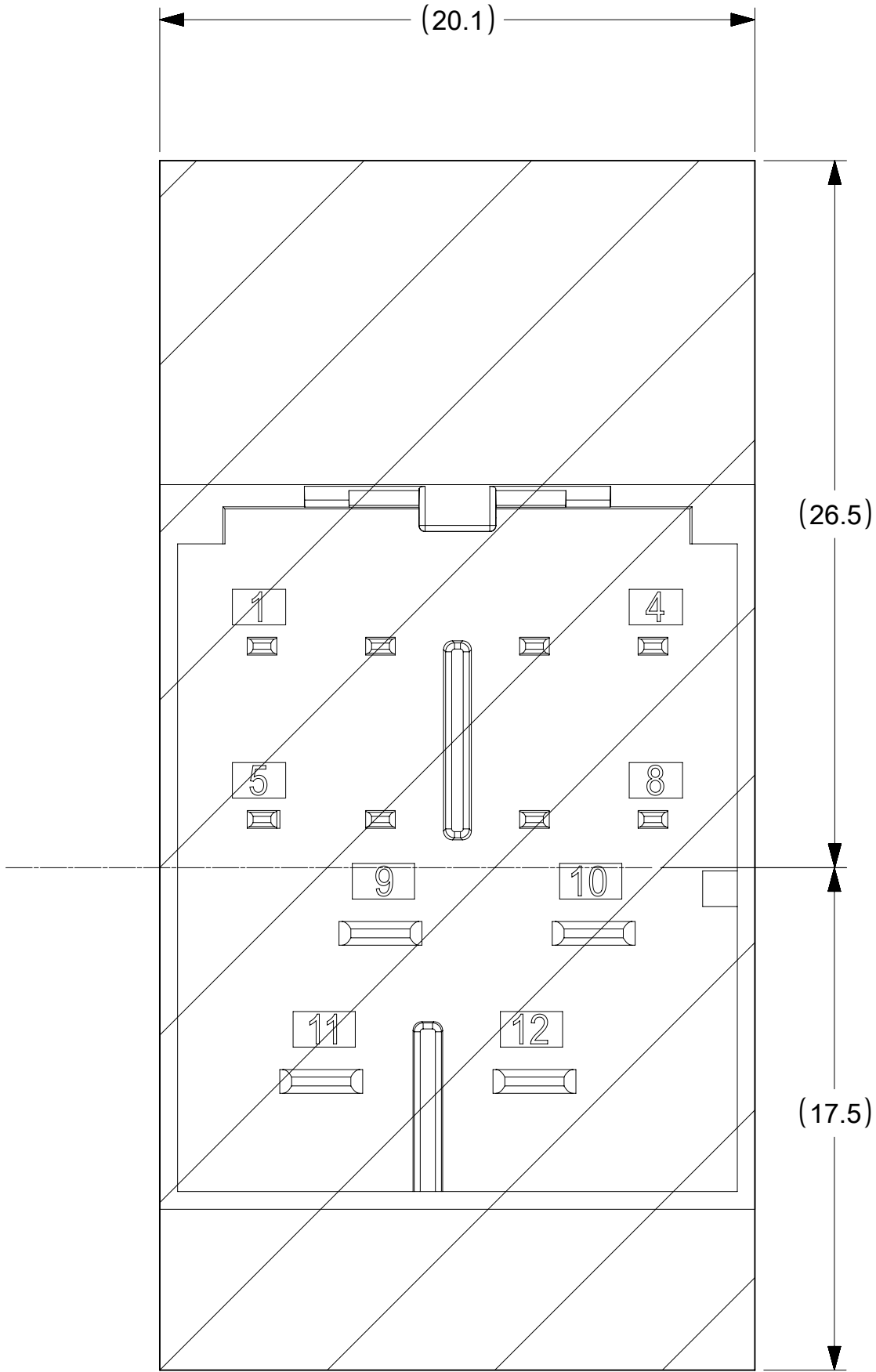
DETAIL T
SCALE 10:1

DETAIL R
SCALE 10:1

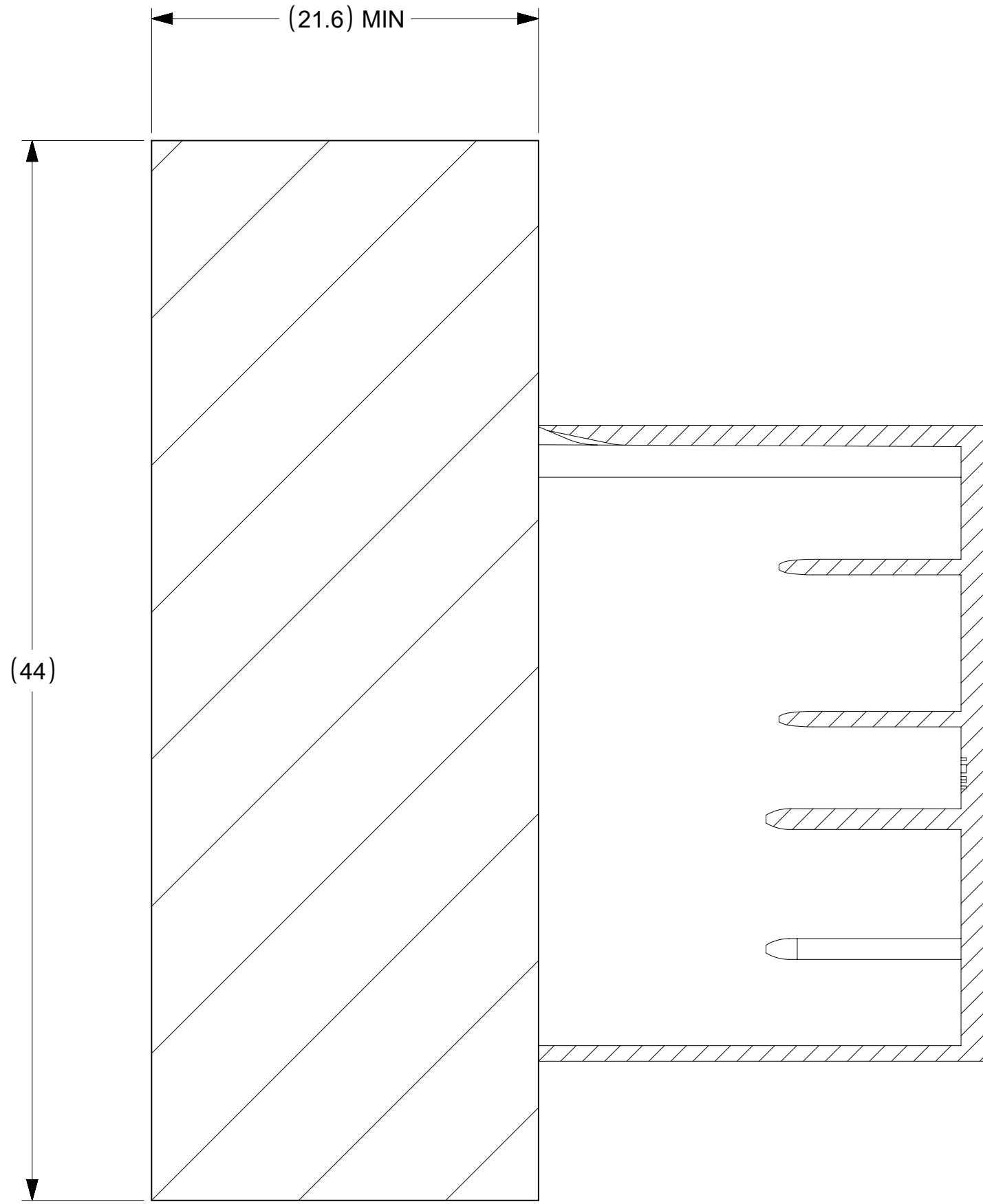
SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	SCALE	CURRENT REV DESC: ADDED 2.8MM BLADE LENGTH VARIANT FOR MATE FORCE REQUIREMENT ADDED NOTE 1.E.1
= 0	mm		
= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		
= 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		
= 0	DRAWING		
= 0	D-SIZE		
= 0	160026		

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 →



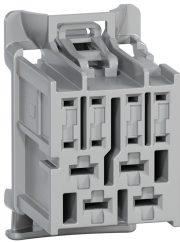
← (21.6) MIN →



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				<div>molex</div> <div>12WAY STAK50H INTERFACE DRAWING</div>					
mm													
GENERAL TOLERANCES (UNLESS SPECIFIED)		SEE NOTES		EC NO: 626144				<div>PRODUCT CUSTOMER DRAWING</div> <div>DOCUMENT NUMBER SD-160026-002</div> <div>DOC TYPE PSD</div> <div>DOC PART 000</div> <div>REVISION C</div>					
ANGULAR TOL ±				DRWN: JCONDON 2019/10/08									
4 PLACES				CHK'D: DLANGOLF 2019/10/22									
3 PLACES ±				APPR: JCONDON 2019/10/23									
2 PLACES ±				INITIAL REVISION:									
1 PLACE ±		DRWN: SPEMMARAJU 2015/10/27											
0 PLACES ±		APPR: KDEKOSKI 2016/03/24											
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	



产品编号：[1600260004](#)
Product Description：[stAK50h Hybrid Receptacle, 12 Circuits, Key 4, Gray, Bag](#)
系列号：[160026](#)
状态：[Active](#)
Product Category：[Connector Housings](#)



文件和资源

图纸

[图纸 1600260004_sd.pdf](#)

3D 模型和设计文件

[3D模型 1600260004_stp.zip](#)

规格

[应用规格 AS-160014-001-001.pdf](#)
[应用规格 1600140001-AS-CH-000.pdf](#)
[测试摘要 1600140000-TS-000.pdf](#)

产物环境合规

合规

GADSL/IMDS	Compliant
China RoHS	
EU ELV	Compliant per 2000/53/EC
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)
EU RoHS	Compliant per EU 2015/863

[多部分产品合规性声明](#)

- Eu RoHS
- REACH SVHC
- Low-Halogen

[多部分行业合规性文件](#)

- IPC 1752A Class C
- IPC 1752A Class D

- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

欧盟 RoHS 合格证书

产品详情

常规

状态	活动
类别	Connector Housings
系列	160026
说明	stAK50h Hybrid Receptacle, 12 Circuits, Key 4, Gray, Bag
应用	Automotive, Power, Signal, Wire-to-Board
产品系列	stAK50h Connection System
产品名称	stAK50h
UPC	887191923277

电气

每触点最大电流	12. 0A, 30. 0A
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物理

电路数（最多）	12
颜色-树脂	灰色
性别	Receptacle
符合灼热丝规范	否
插接极性	是
锁定插接部位	是
材料 - 树脂	SPS
净重	5. 690/g
行数	4
包装形式	Bag
面板安装式	否
间距 - 插配接口	2. 00mm, 4. 00mm, 5. 20mm, 7. 20mm
间距 - 终端界面	2. 00mm, 4. 00mm, 5. 20mm, 7. 20mm
有极性的插配件	是

端口	1
可堆叠的	否
运行温度范围	-40° to +105° C LV-214, -40° to +85° C GMW3191 June2012

可配插/可连接使用的产品

可配插部件

描述	产品编号
stAK50h Vertical Hybrid Header, 12 Circuits, Key 4, Gray, Tube	<u>2005010124</u>
stAK50h Right-Angle Hybrid Header, 12 Circuits, Key 4, Gray, Tube	<u>2005020124</u>

可连接使用部件

描述	产品编号
可装的端子等部件	Aptiv OCS 1.20mm Terminal or JST MSA 1.20mm Terminal
可装的端子等部件	TE AMP MCP 2.80mm Terminal or Aptiv CTS 2.80mm Terminal