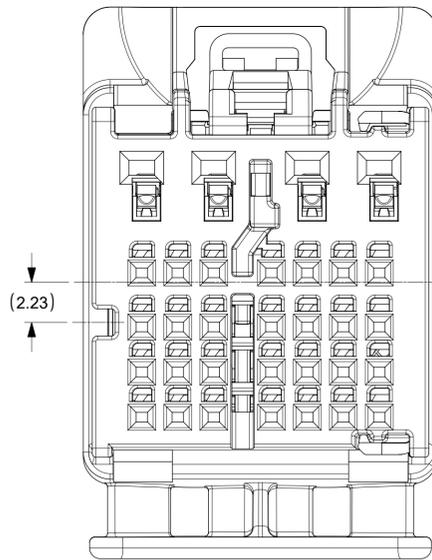
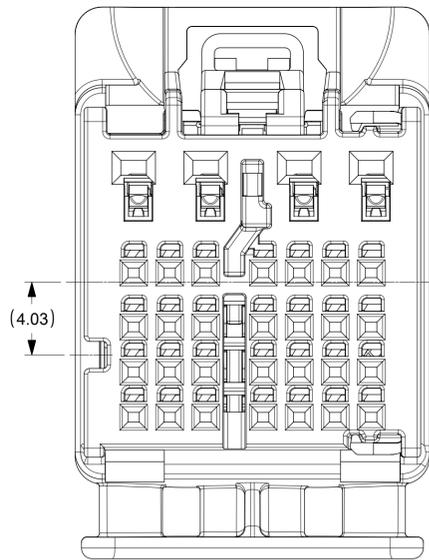


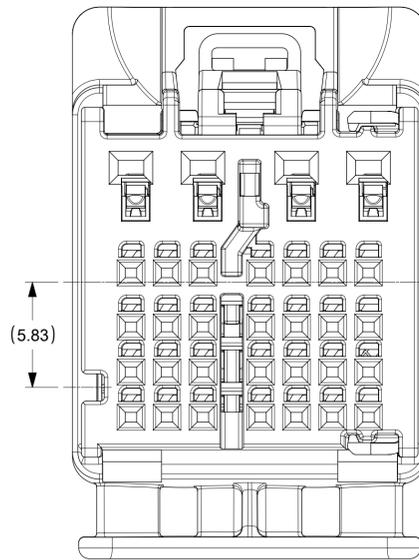
32WAY CONNECTOR ASSEMBLY  
KEY 1 & KEY 5



32WAY CONNECTOR ASSEMBLY  
KEY 2 & KEY 6



32WAY CONNECTOR ASSEMBLY  
KEY 3 & KEY 7



32WAY CONNECTOR ASSEMBLY  
KEY 4 & KEY 8

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:

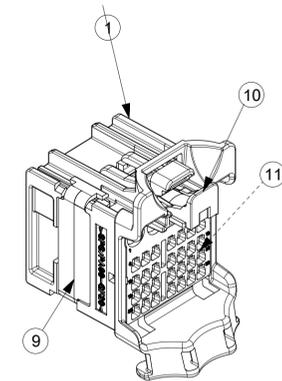
- a. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B)

PART NUMBER	PLATING	SUPPLIER	WIRE GAGE (mm <sup>2</sup> )	TERMINAL FAMILY	WIRE SPECIFICATION	
200096-0101	TIN PLATING	MOLEX	0.35	TAK FAMILY (0.5 mm)	VW 60306 OR GMW 15626 (SEE APPLICATION SPECIFICATION FOR MORE DETAILS)	
200096-0201			0.13			
2272196-2		TE	0.35	Generation 50 Locking Lance (0.5mm)	SAE/ J1128 THIN WALL INSULATION	
2272196-1			0.13			
35072403		DELPHI	0.35 - 0.5	TAXI TERM OCS 1.2	GMW 15626 INSULATION TYPE FLR (REGULAR THIN WALL)	
35072405						0.8 - 1.0
35072406						1.25 - 1.5
35072404						0.75 - 0.8
SMSA-A031T-M1.2		JST	0.5 - 0.75	MSA 1.2mm TERMINAL		
SMSA-A041T-M1.2						1.0 - 1.5

ITEM	DESCRIPTION	COLOR	RECYCLING CODE	WEIGHT (GRAMS)	RIB OPTION	NO OF ITEMS REQUIRED													
1	OUTER SHROUD - KEY 1	BLACK	SPS/PA66-GF20	3.2	A	1													
2	OUTER SHROUD - KEY 2	BLUE	SPS/PA66-GF20	3.2	A		1												
3	OUTER SHROUD - KEY 3	DARK GRAY	SPS/PA66-GF20	3.2	A			1											
4	OUTER SHROUD - KEY 4	PURPLE C	SPS/PA66-GF20	3.2	A				1										
5	OUTER SHROUD - KEY 5	PINK B	SPS/PA66-GF20	3.2	B					1									
6	OUTER SHROUD - KEY 6	TBD	SPS/PA66-GF20	3.2	B						1								
7	OUTER SHROUD - KEY 7	LIGHT BROWN	SPS/PA66-GF20	3.2	B							1							
8	OUTER SHROUD - KEY 8	TBD	SPS/PA66-GF20	3.2	B								1						
9	ISL	NATURAL	SPS-GF30	0.37	N/A	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	CPA	NATURAL	PA66-GF50	0.08	N/A	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	INNER HOUSING	STONE GRAY	SPS/PA66-GF20	1.75	N/A	1	1	1	1										
12	INNER HOUSING	STONE GRAY	SPS/PA66-GF20	1.75	N/A							1	1	1	1				

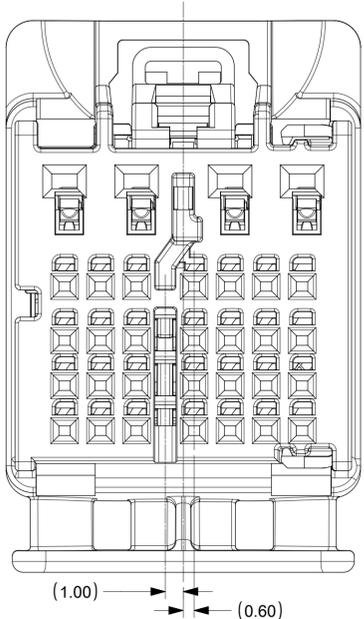
MOLEX ASSEMBLY PART NO.'S	
1600280001	KEY 1
1600280002	KEY 2
1600280003	KEY 3
1600280004	KEY 4
1600280005	KEY 5
1600280006	KEY 6
1600280007	KEY 7
1600280008	KEY 8

B1	UPDATED WIRE GAGE RANGE OF 1.20MM TERMINAL HTGUO 02/20/2019
B	ADD TAK50 TERMINAL OPTS JCONDON 09/11/2017
A1	NX RE-MASTERING SAP # 10816434
A	UAU2016-0946 SAP # 10778144 JCONDON 05/25/2016
4	UAU2015-1899 SAP # 10698159 JCONDON 06/17/2015
3	UAU2015-1302 SAP # 10694008 JCONDON 05/29/2015
2	UAU2015-1606 SAP # 10685685 JCONDON 04/23/2015
1	UAU2014-1923 SAP # XXXXXXXX CROWDEN 12/05/2013

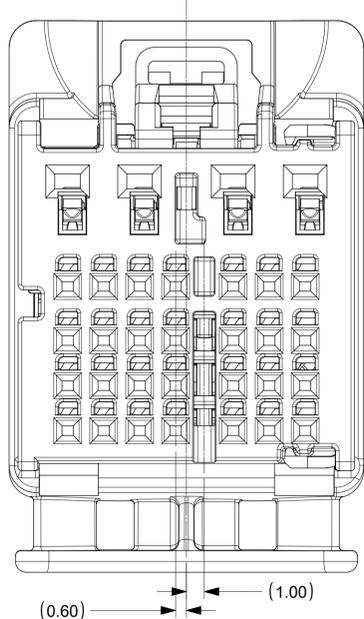


SCALE 2:1

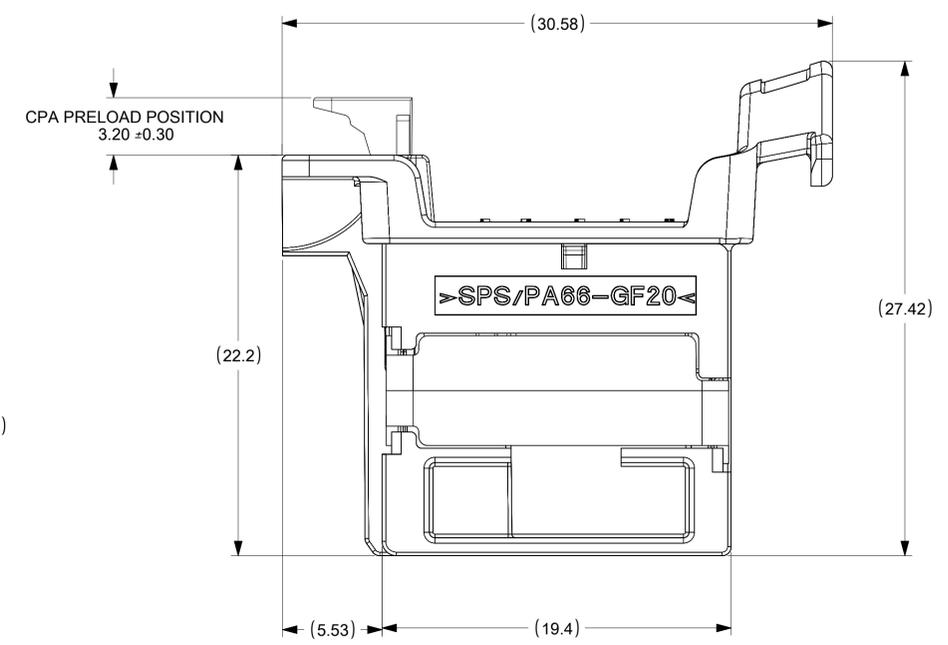
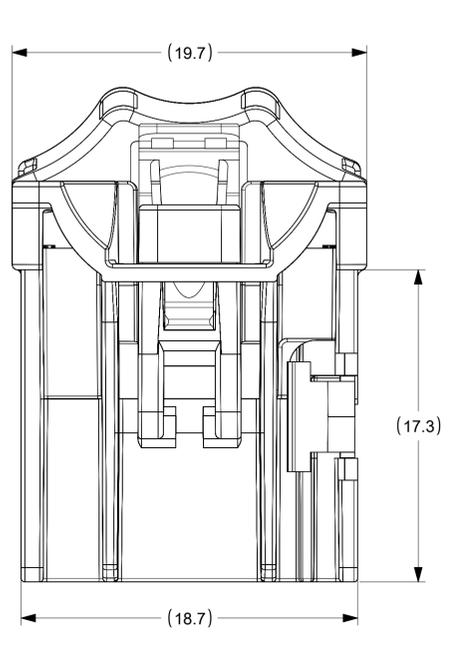
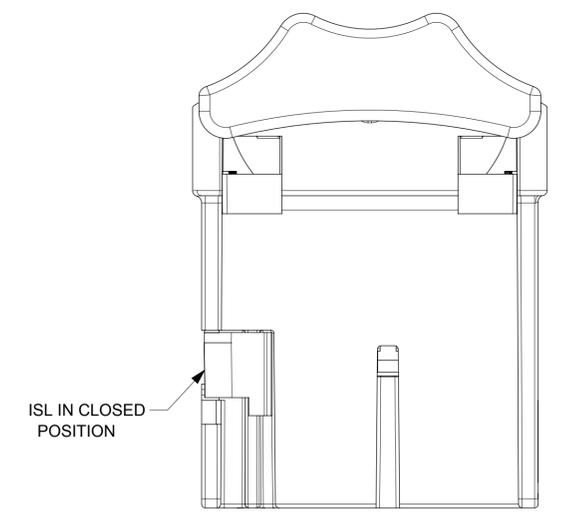
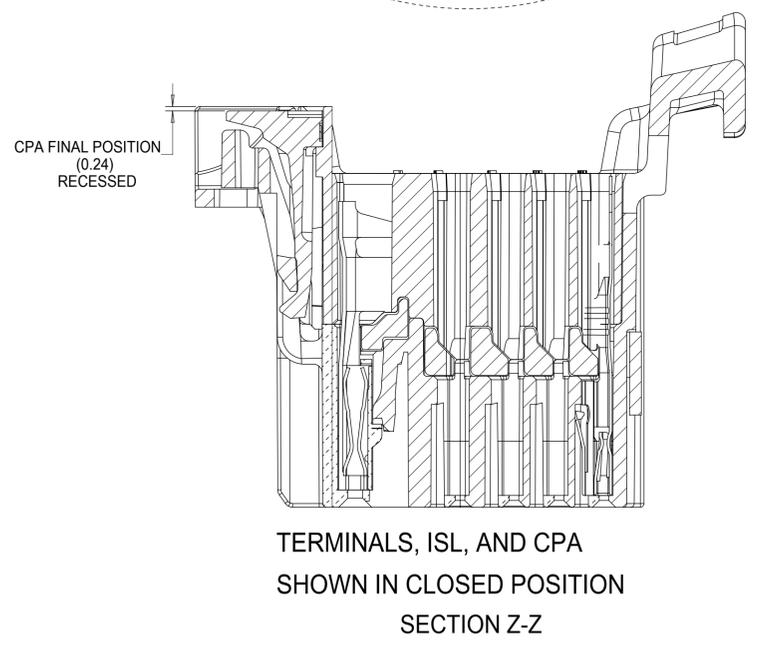
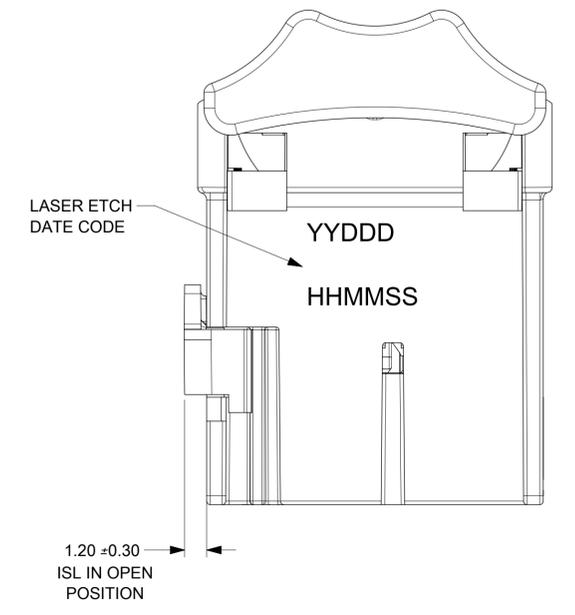
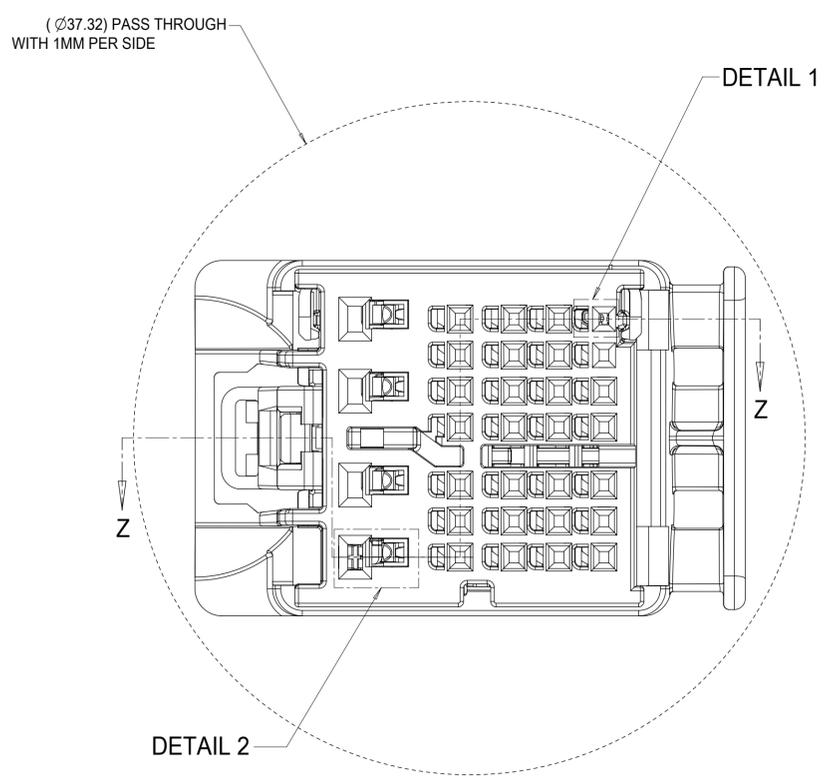
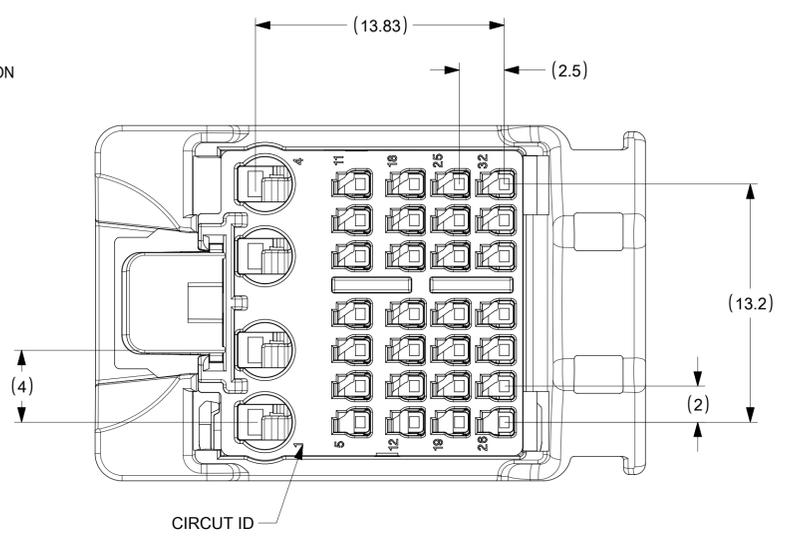
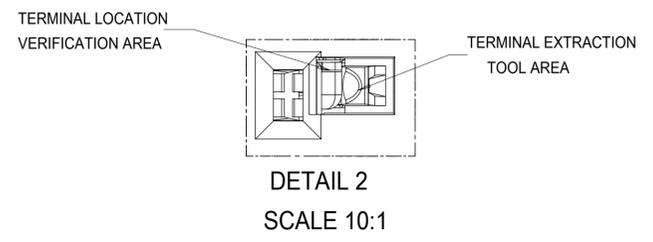
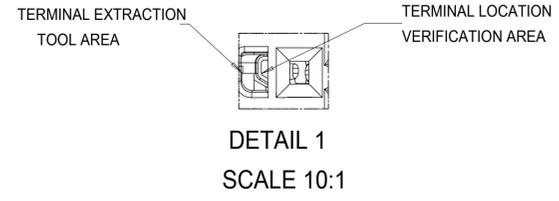
RIB OPTION A



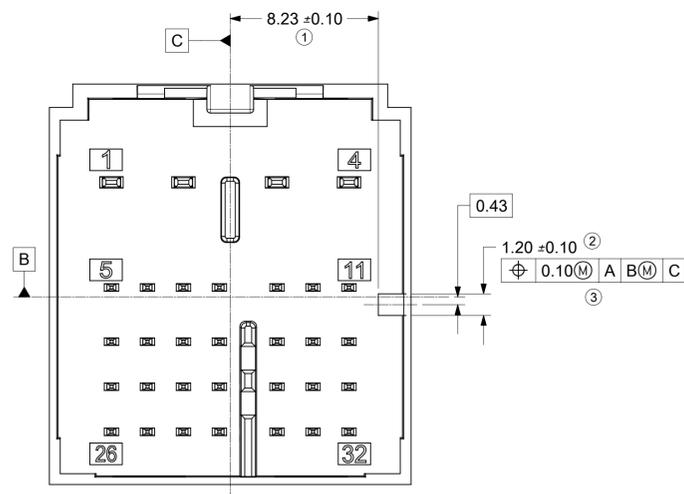
RIB OPTION B



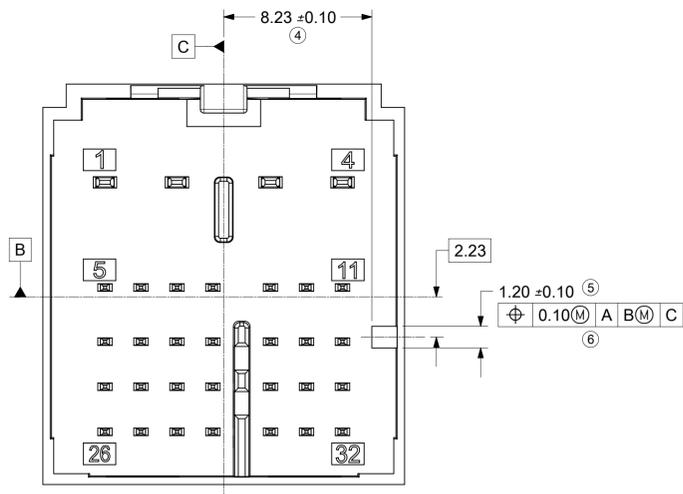
SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: SEE TABLE	
	DIMENSION UNITS	SCALE		
▽ = 0	mm			
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			
▽ = 0	ANGULAR TOL	±	3.0°	
▽ = 0	4 PLACES	±		
▽ = 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
▽ = 0			D-SIZE	160028
DOCUMENT STATUS		P1	RELEASE DATE	2019/08/13 14:53:57
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	
DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
SD-160028-0001		PSD	000	B2
MATERIAL NUMBER		CUSTOMER	SHEET NUMBER	
SEE CHART		GENERAL MARKET	1 OF 2	



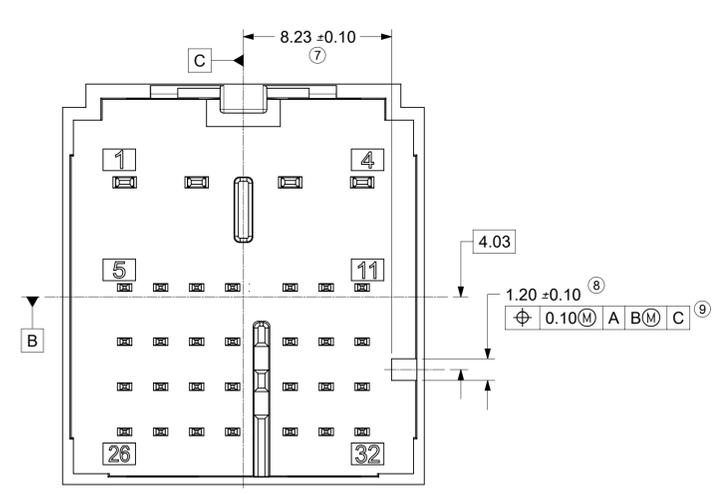
SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: SEE TABLE	
	DIMENSION UNITS	SCALE		
$\nabla = 0$	mm			
$\nabla = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)			
$\nabla = 0$	ANGULAR TOL	± 3.0°		
$\nabla = 0$	4 PLACES	±		
$\nabla = 0$	3 PLACES	±		
$\nabla = 0$	2 PLACES	± 0.3		
$\nabla = 0$	1 PLACE	± 0.3		
$\nabla = 0$	0 PLACES	± 0.3		
$\nabla = 0$	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING SERIES
$\nabla = 0$				D-SIZE 160028
EC NO: 622293		2019/08/13		32WAY STAK50H HYBRID CONNECTOR ASSEMBLY
DRWN: HTGU002		2019/08/13		
CHK'D: JCONDON		2019/08/13		
APP'R: JCONDON		2019/08/13		PRODUCT CUSTOMER DRAWING
INITIAL REVISION:				DOCUMENT NUMBER
DRWN: VYARAPPA		2017/02/07		SD-160028-0001
APP'R: KDEKOSKI		2017/03/23		DOC TYPE
				PSD
				DOC PART
				000
				REVISION
				B2
				MATERIAL NUMBER
				SEE CHART
				CUSTOMER
				GENERAL MARKET
				SHEET NUMBER
				2 OF 2



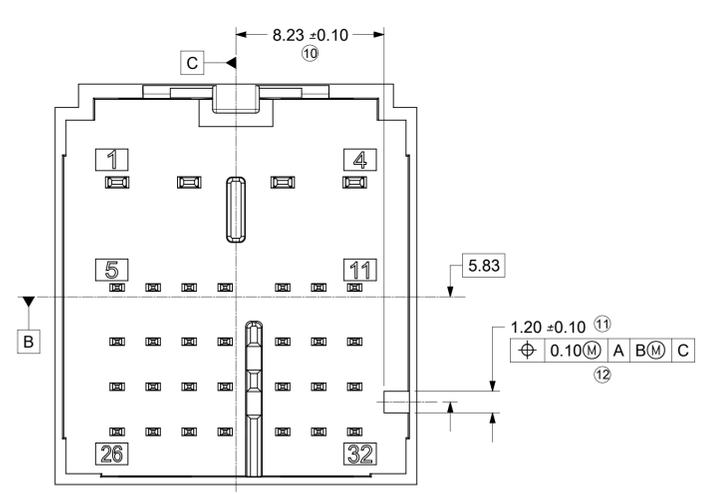
INTERFACE KEY 1 & KEY 5



INTERFACE KEY 2 & KEY 6



INTERFACE KEY 3 & KEY 7

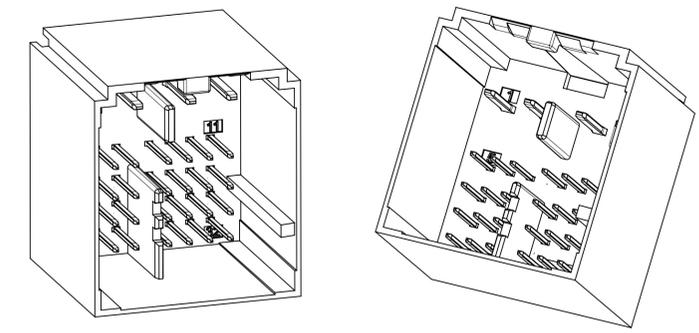
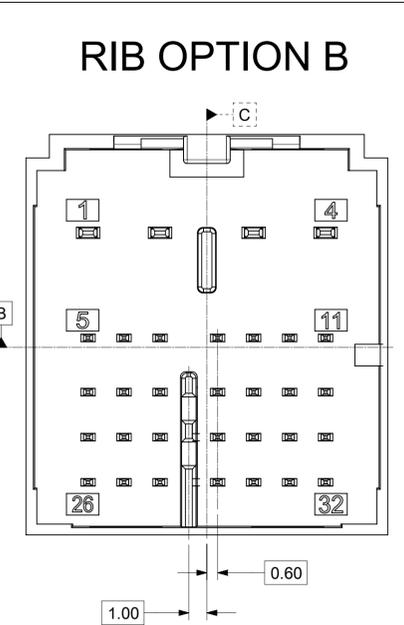
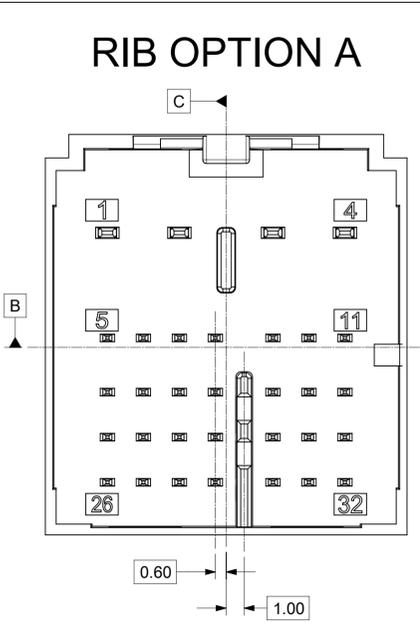


INTERFACE KEY 4 & KEY 8

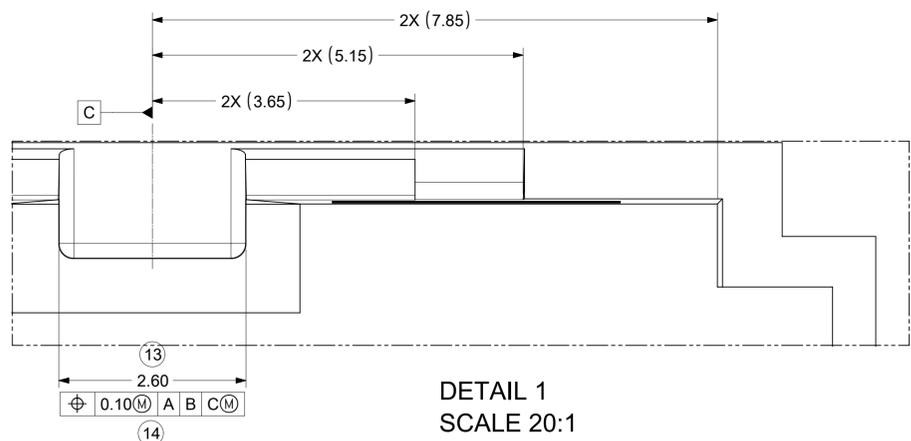
INTERFACE OPTIONS		
KEY	RIB OPTION	MATING CONNECTOR COLOR
1	OPTION A	BLACK
2	OPTION A	BLUE
3	OPTION A	DARK GRAY
4	OPTION A	PURPLE C
5	OPTION B	PINK B
6	OPTION B	TBD
7	OPTION B	LIGHT BROWN
8	OPTION B	TBD

- 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 & 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.
    - 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)
  - DESIGN - MANUFACTURING:
    - DRAFT TO BE WITHIN TOLERANCE.

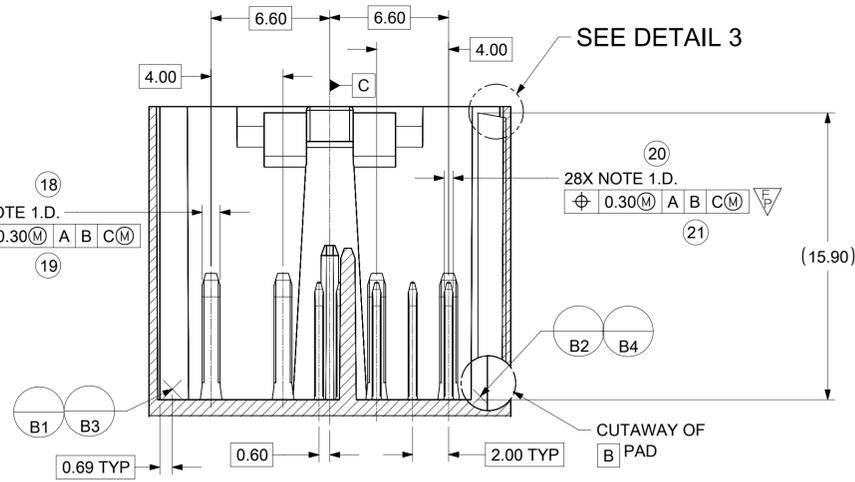
B1	ADDED BALLOONS JCONDON 08/02/2018
B	REMOVED 0.2MM FROM CONNECTOR LOCK TAB FEATURE
A1	ADDED NOTE 1.E JCONDON 11/13/2017
A	NX-REMASTERING SAP # 10867412
7	UAU2016-1182 SAP # 10762453 JCONDON 02/08/2016
6	UAU2015-1446 SAP # 10681629 JCONDON 03/25/2015
5	UAU2015-1212 SAP # 10674908 JCONDON 02/06/2015
4	UAU2015-0982 SAP # 10670199 JCONDON 12/22/2014
3	UAU2014-1679 SAP # XXXXXXXX KDEKOSKI 05/02/2014
2	UAU2014-1221 SAP # XXXXXXXX MYOUNG01 02/06/2014
1	UAU2014-0715 SAP # XXXXXXXX MYOUNG01 01/02/2014
REV	DESCRIPTION



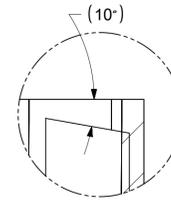
SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: ADDED DIMENSION BALLOONS	
	DIMENSION UNITS	SCALE		
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▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		CHK'D: JCONDON 2018/08/03	
▽ = 0	ANGULAR TOL ± °		APPR: MVANSLAMBROU 2018/08/03	PRODUCT CUSTOMER DRAWING
▽ = 0	4 PLACES ±		INITIAL REVISION:	DOCUMENT NUMBER
▽ = 0	3 PLACES ±		DRWN: MYOUNG01 2013/11/14	
▽ = 0	2 PLACES ±		APPR: KDEKOSKI 2014/01/02	DOC TYPE
▽ = 0	1 PLACES ±			DOC PART
▽ = 0	0 PLACES ±			REVISION
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING
▽ = 0			SERIES	SHEET NUMBER
			D-SIZE	160028
			MATERIAL NUMBER	CUSTOMER
			GENERAL MARKET	1 OF 3



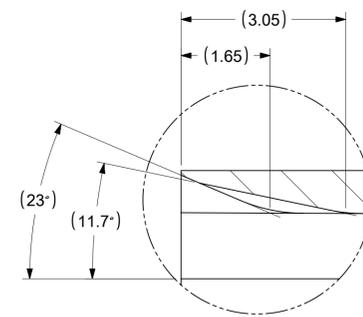
DETAIL 1  
SCALE 20:1



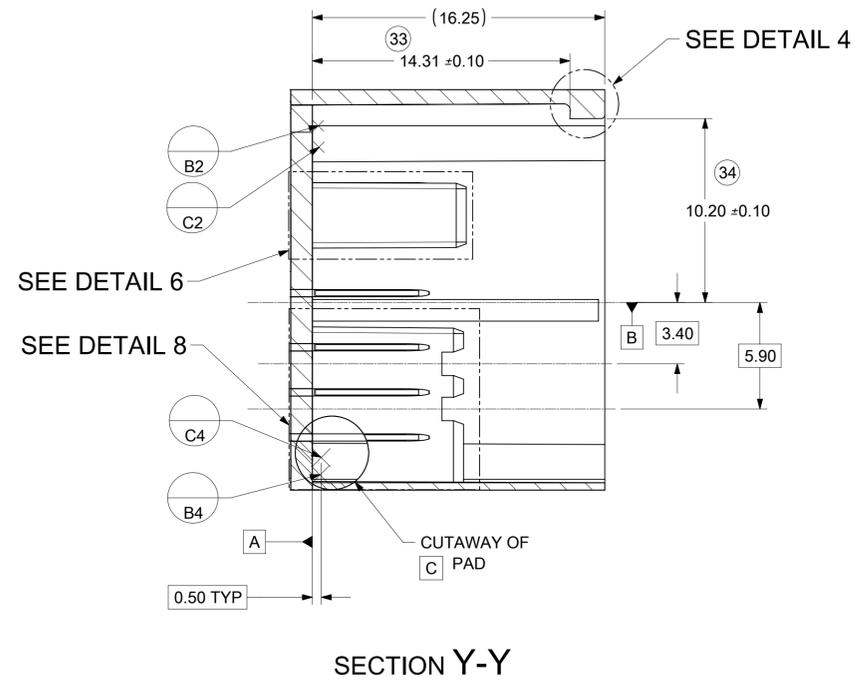
SECTION X-X



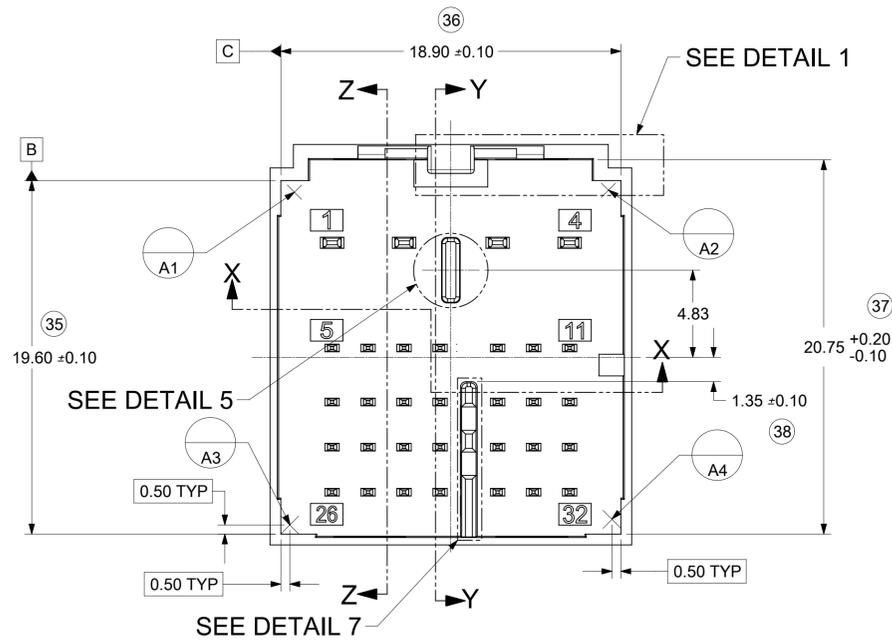
DETAIL 3  
SCALE 15:1



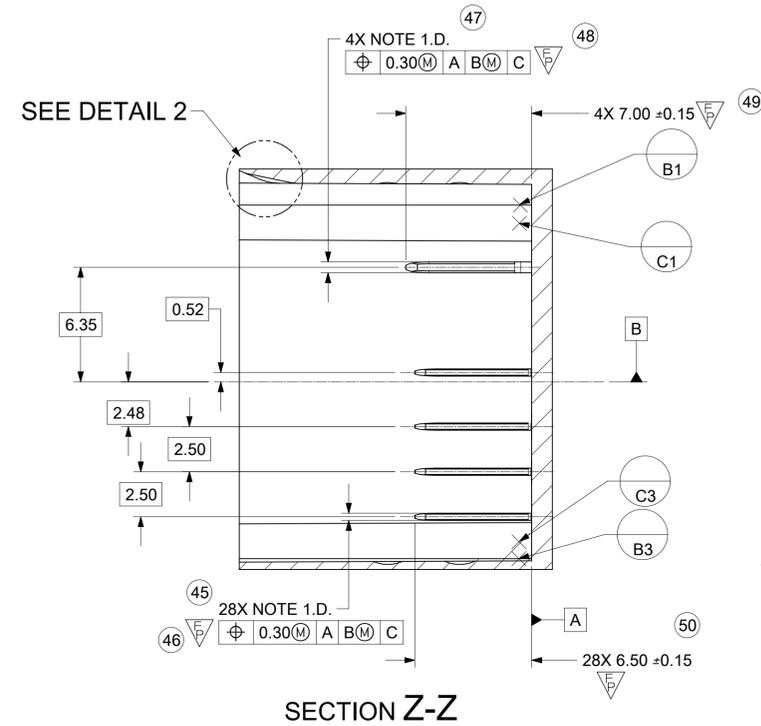
DETAIL 2  
SCALE



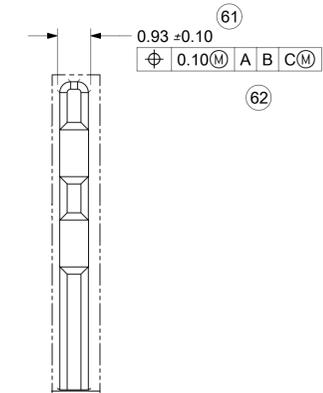
SECTION Y-Y



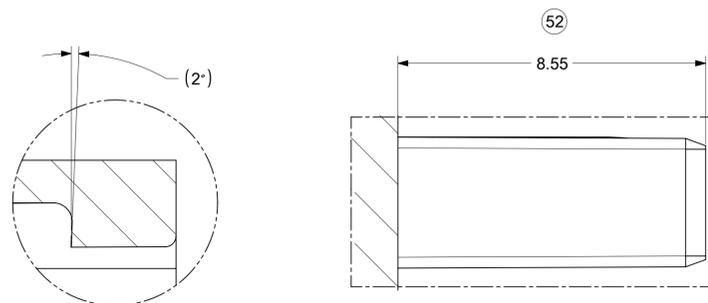
SECTION X-X



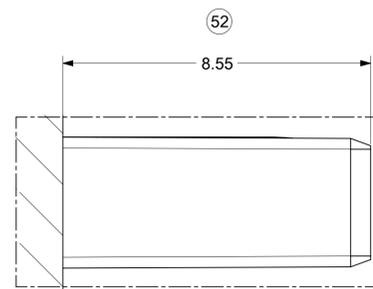
SECTION Z-Z



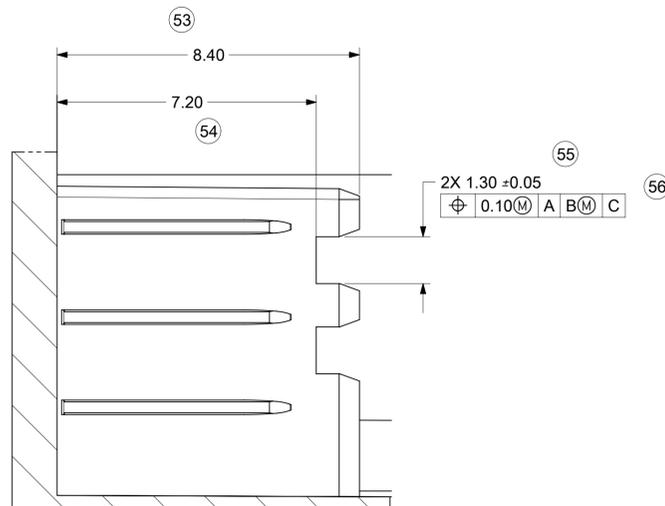
DETAIL 7  
SCALE



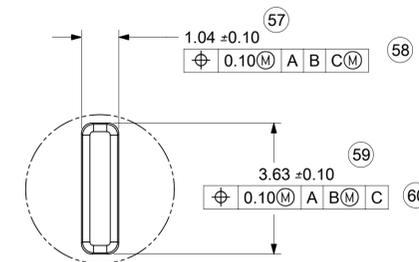
DETAIL 4  
SCALE 15:1



DETAIL 6  
SCALE 10:1



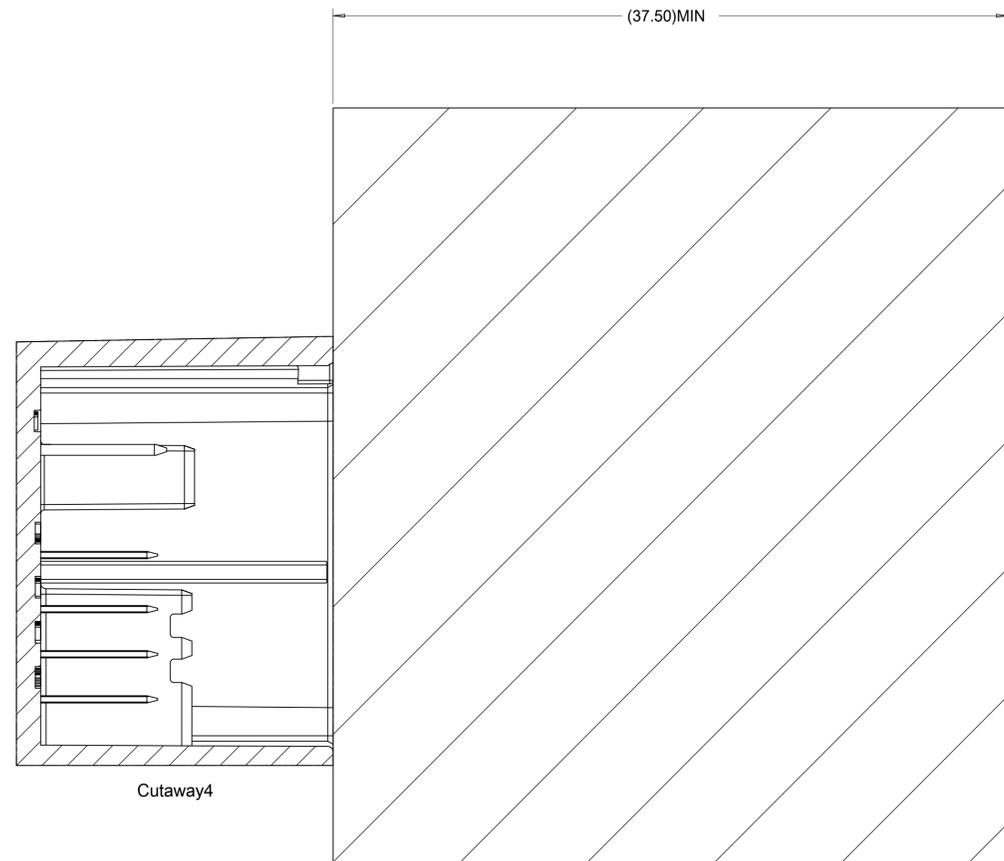
DETAIL 8  
SCALE 10:1



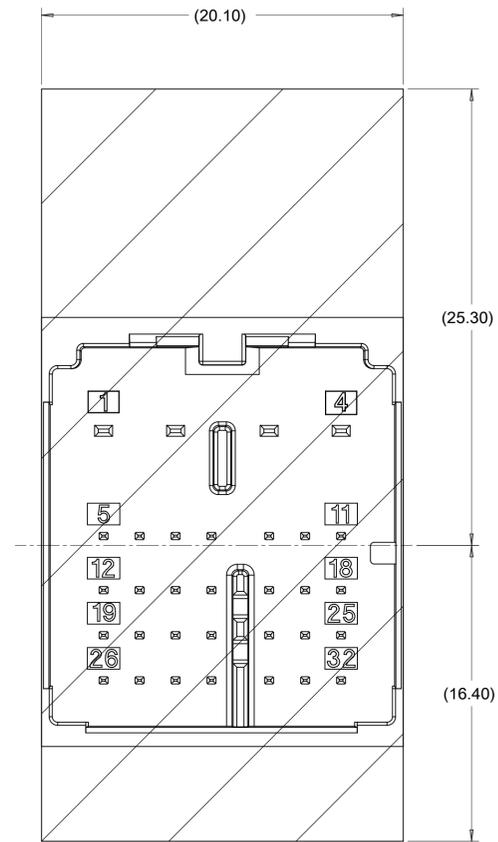
DETAIL 5  
SCALE 10:1

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
DIMENSION UNITS	SCALE	CURRENT REV DESC: ADDED DIMENSION BALLOONS
▽ = 0	mm	5:1
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)	
▽ = 6	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	160028
<p>EC NO: 602204            DRWN: JCONDON 2018/08/02            CHK'D: JCONDON 2018/08/03            APPR: MVANSLAMBROU 2018/08/03</p> <p>INITIAL REVISION:            DRWN: MYOUNG01 2013/11/14            APPR: KDEKOSKI 2014/01/02</p>		
<p><b>molex</b></p> <p>32WAY STAK50H            INTERFACE DRAWING</p> <p>PRODUCT CUSTOMER DRAWING</p>		
DOCUMENT NUMBER		DOC TYPE DOC PART REVISION
SD-160028-002		PSD 001 B1
MATERIAL NUMBER		CUSTOMER SHEET NUMBER
GENERAL MARKET		2 OF 3

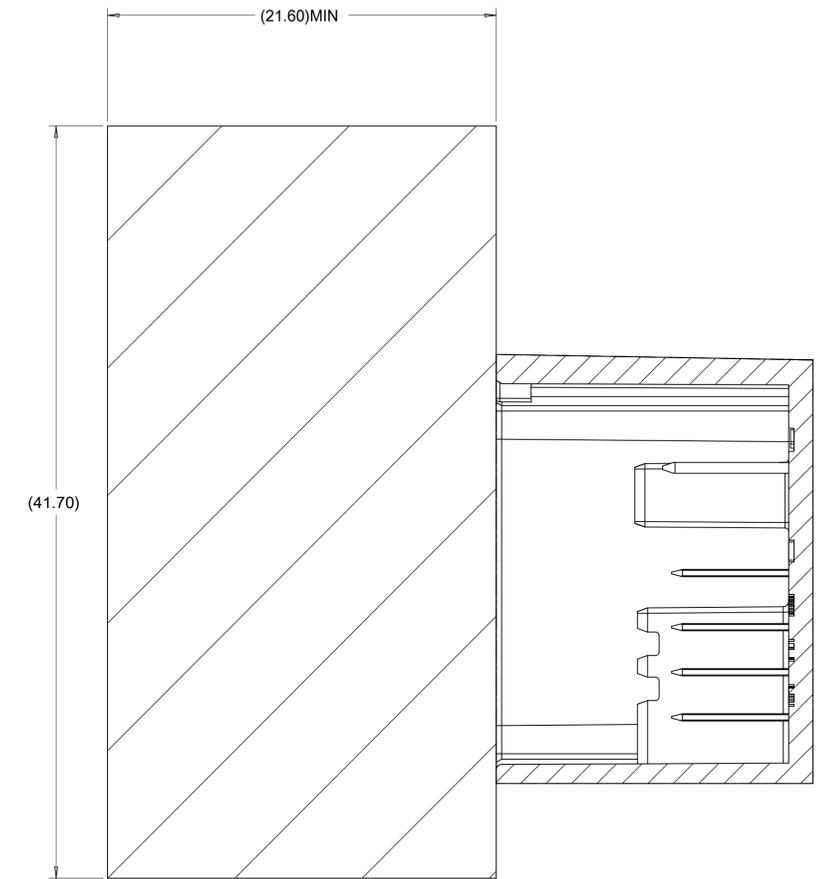
PACKAGE SPACE  
FOR UNMATED  
CONNECTOR



PACKAGE SPACE  
FOR 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
▽ = 0	mm	5:1	
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		
▽ = 0	ANGULAR TOL	± °	
▽ = 0	4 PLACES	±	EC NO: 602204
▽ = 0	3 PLACES	±	DRWN: JCONDON 2018/08/02
▽ = 0	2 PLACES	±	CHK'D: JCONDON 2018/08/03
▽ = 0	1 PLACE	±	APPR: MVANSLAMBROU 2018/08/03
▽ = 0	0 PLACES	±	INITIAL REVISION:
□ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN: MYOUNG01 2013/11/14
▽ = 0	THIRD ANGLE PROJECTION		APPR: KDEKOSKI 2014/01/02
	DRAWING		SERIES
	D-SIZE		160028
DOCUMENT STATUS		RELEASE DATE	DOCUMENT NUMBER
P1	2018/08/03 19:41:34	SD-160028-002	DOC TYPE
		PSD	DOC PART
		001	REVISION
		B1	
MATERIAL NUMBER		CUSTOMER	SHEET NUMBER
		GENERAL MARKET	3 OF 3

## Данный компонент на территории Российской Федерации

### Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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