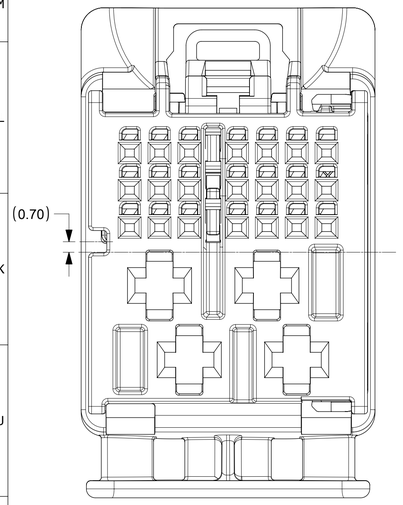
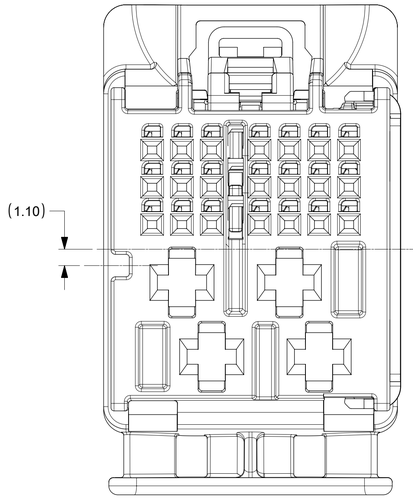
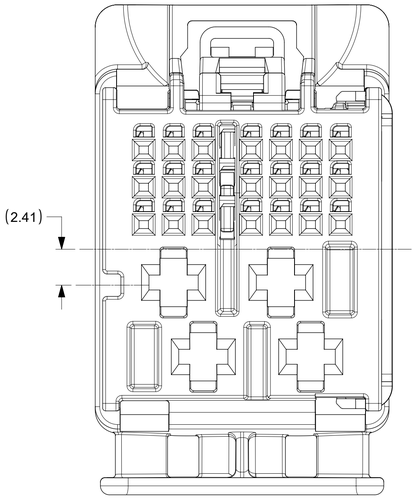


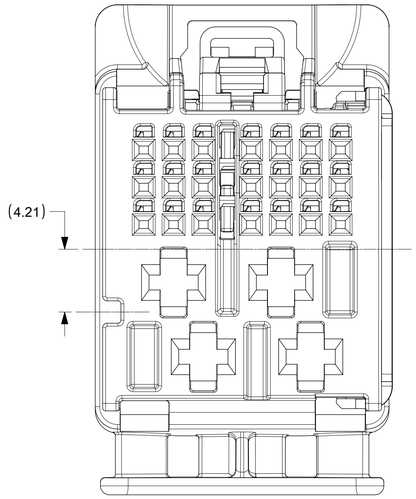
25WAY CONNECTOR ASSEMBLY
KEY 1 & KEY 5



25WAY CONNECTOR ASSEMBLY
KEY 2 & KEY 6



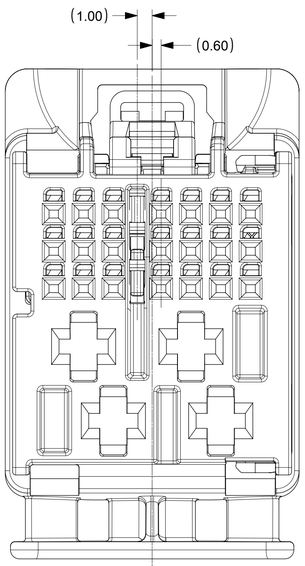
25WAY CONNECTOR ASSEMBLY
KEY 3 & KEY 7



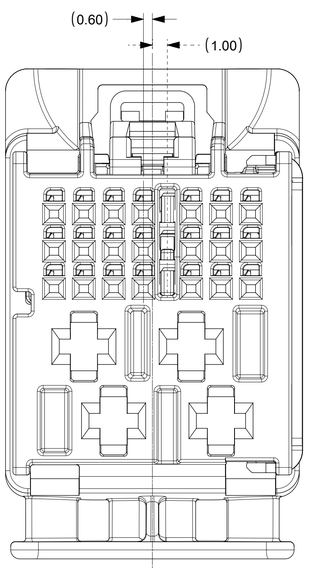
25WAY CONNECTOR ASSEMBLY
KEY 4 & KEY 8

PART NUMBER	PLATING	SUPPLIER	WIRE GAGE (mm2)	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	TIN PLATING	MOLEX	0.13	TAK FAMILY (0.5 mm)	
2272196-2	TIN PLATING	TE	0.35	Generation 50 Locking Lance (0.5mm)	SAE/ J1128 THIN WALL INSULATION
2272196-1	TIN PLATING	TE	0.13	Generation 50 Locking Lance (0.5mm)	
1-968851-1	TIN PLATING	TE	1.0 - 2.5	AMP MCP 2.8	GMW 15626 INSULATION TYPE FLR (REGULAR THIN WALL)
1-968849-1	TIN PLATING	TE	0.5 - 1.0	AMP MCP 2.8	
15457849	TIN PLATING	DELPHI	1.5 - 2.5	CTS 2.8mm	
15457848	TIN PLATING	DELPHI	0.5 - 1.0	CTS 2.8mm	

RIB OPTION A



RIB OPTION B



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)

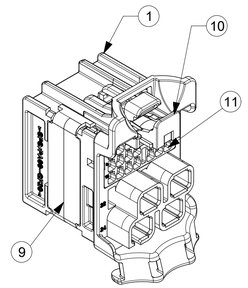
2. DESIGN - MATERIALS:
a. SEE BOM TABLE

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)

MOLEX ASSEMBLY PART NO.'S	
1600270001	KEY 1
1600270002	KEY 2
1600270003	KEY 3
1600270004	KEY 4
1600270005	KEY 5
1600270006	KEY 6
1600270007	KEY 7
1600270008	KEY 8

ITEM	DESCRIPTION	COLOR	RECYCLING CODE	WEIGHT (GRAMS)	RIB OPTION	NO OF ITEMS REQUIRED							
1	OUTER SHROUD - KEY 1	LIGHT GREEN B	SPS/PA66-GF20	4.1	A	1							
2	OUTER SHROUD - KEY 2	STONE GRAY	SPS/PA66-GF20	4.1	A		1						
3	OUTER SHROUD - KEY 3	BLACK	SPS/PA66-GF20	4.1	A			1					
4	OUTER SHROUD - KEY 4	DARK GRAY	SPS/PA66-GF20	4.1	A				1				
5	OUTER SHROUD - KEY 5	DK PURPLE A	SPS/PA66-GF20	4.1	B					1			
6	OUTER SHROUD - KEY 6	TBD	SPS/PA66-GF20	4.1	B						1		
7	OUTER SHROUD - KEY 7	TBD	SPS/PA66-GF20	4.1	B							1	
8	OUTER SHROUD - KEY 8	LT GRAY	SPS/PA66-GF20	4.1	B								1
9	ISL	NATURAL	SPS-GF30	0.37	N/A	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
11	INNER HOUSING	STONE GRAY	SPS/PA66-GF20	1.04	N/A	1	1	1	1				
12	INNER HOUSING	STONE GRAY	SPS/PA66-GF20	1.04	N/A					1	1	1	1



DOCUMENT STATUS	P1	RELEASE DATE	2018/07/26	20:42:14

SYMBOLS
E = 0
C = 0
B = 0
S = 0
▼ = 0
C = 0
☒ = 0
■ = 0
V = 0

DIMENSION UNITS: mm
SCALE:
GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL ± 3.0 °
4 PLACES ±
3 PLACES ±
2 PLACES ± 0.3
1 PLACE ± 0.3
0 PLACES ± 0.3
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: UPDATED 2.8 CAVITY VIEWS ON SHEET 2

EC NO: 176550
DRWN: JCONDON 2018/05/18
CHK'D: JCONDON 2018/07/26
APPR: JCONDON 2018/07/26

INITIAL REVISION:
DRWN: VYARAPPA 2017/02/01
APPR: KDEKOSKI 2017/03/23

THIRD ANGLE PROJECTION
DRAWING: D-SIZE
SERIES: 160027

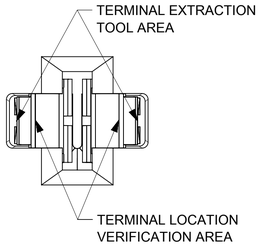
molex

25WAY STAK50H HYBRID CONNECTOR ASSEMBLY

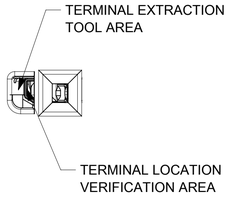
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-160027-0001	PSD	000	B1

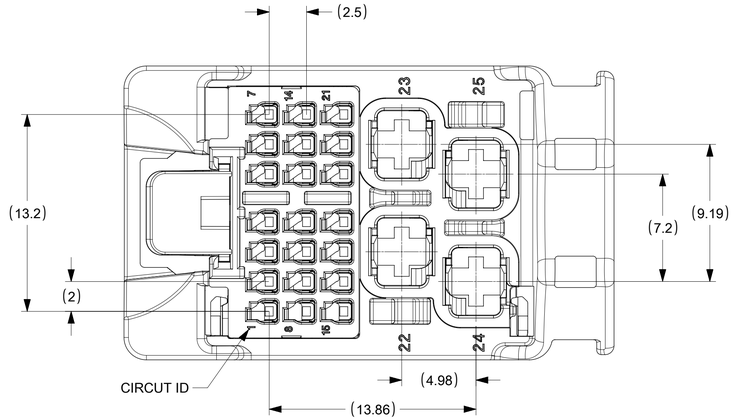
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	1 OF 2

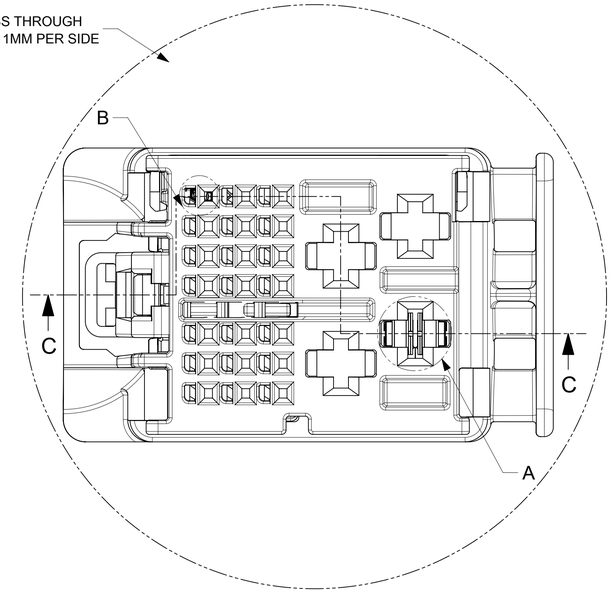


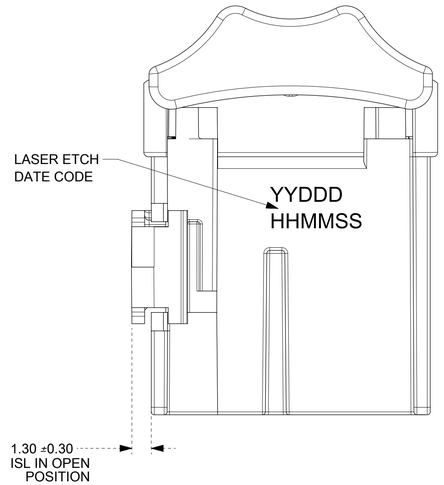
DETAIL A
SCALE 10:1

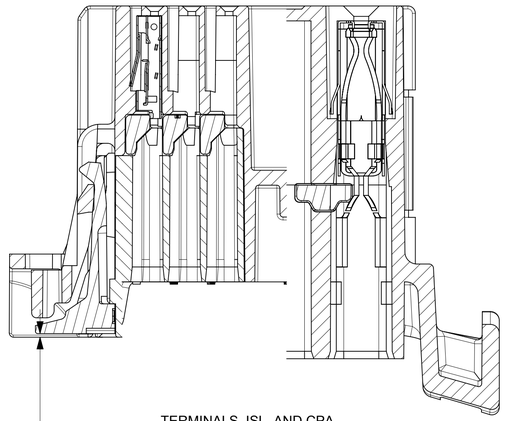


DETAIL B
SCALE 10:1



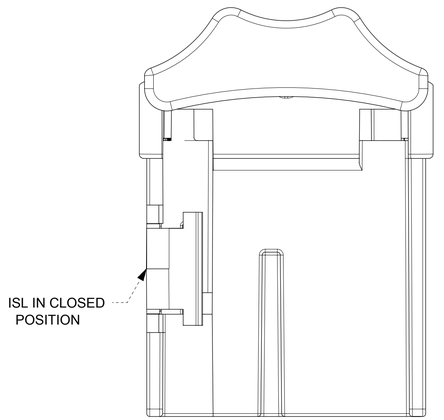


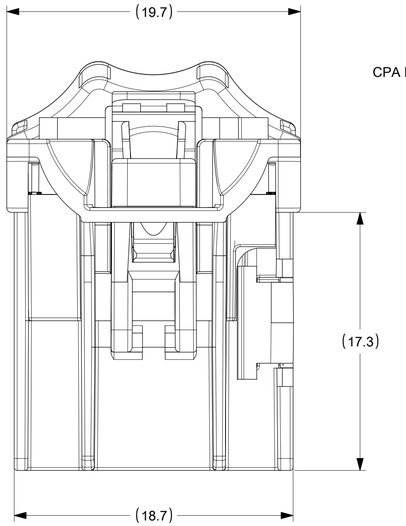


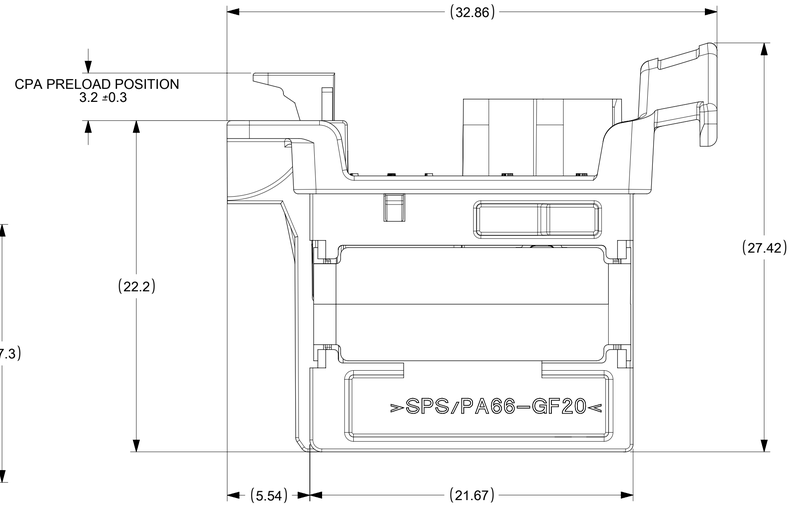


TERMINALS, ISL, AND CPA
SHOWN IN CLOSED POSITION

SECTION C-C







SYMBOLS	
F = 0	
E = 0	
B = 0	
S = 0	
= 0	
C = 0	
= 0	
= 0	
= 0	

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE
mm	

GENERAL TOLERANCES (UNLESS SPECIFIED)		
ANGULAR TOL	±	3.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.3
1 PLACE	±	0.3
0 PLACES	±	0.3

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: UPDATED 2.8 CAVITY VIEWS ON SHEET 2

EC NO: 176550
DRWN: JCONDON 2018/05/18
CHK'D: JCONDON 2018/07/26
APPR: JCONDON 2018/07/26

INITIAL REVISION:
DRWN: VYARAPPA 2017/02/01
APPR: KDEKOSKI 2017/03/23

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 160027

molex

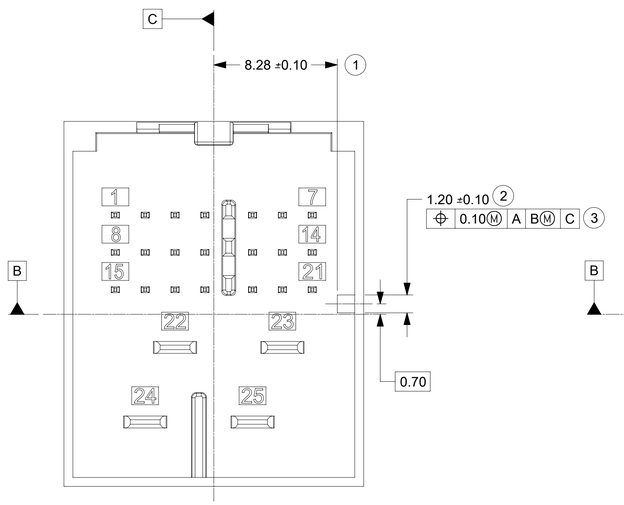
25WAY STAK50H HYBRID
CONNECTOR ASSEMBLY

PRODUCT CUSTOMER DRAWING

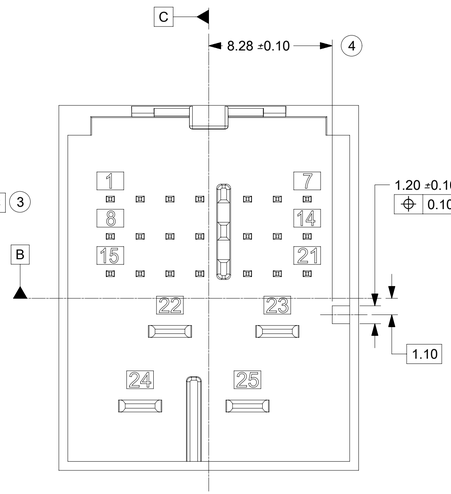
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-160027-0001	PSD	000	B1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	2 OF 2

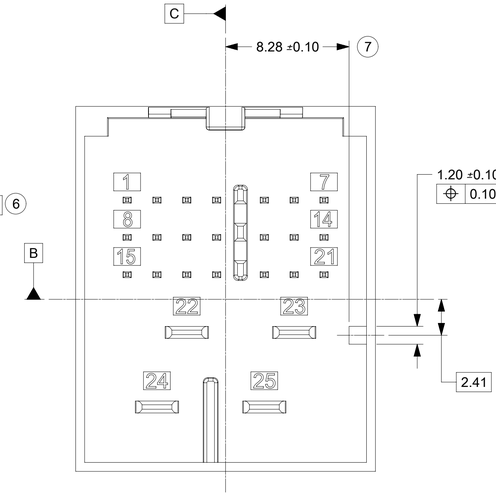
DOCUMENT STATUS	P1	RELEASE DATE	2018/07/26 20:42:14



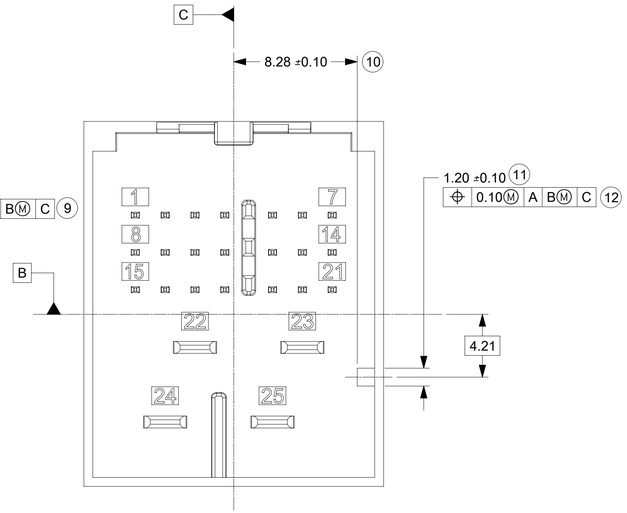
INTERFACE KEY 1 & KEY 5



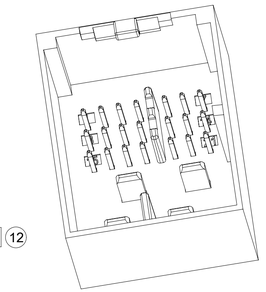
INTERFACE KEY 2 & KEY 6

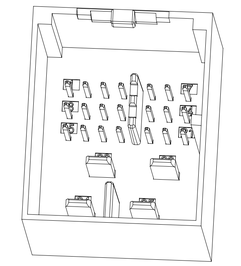


INTERFACE KEY 3 & KEY 7



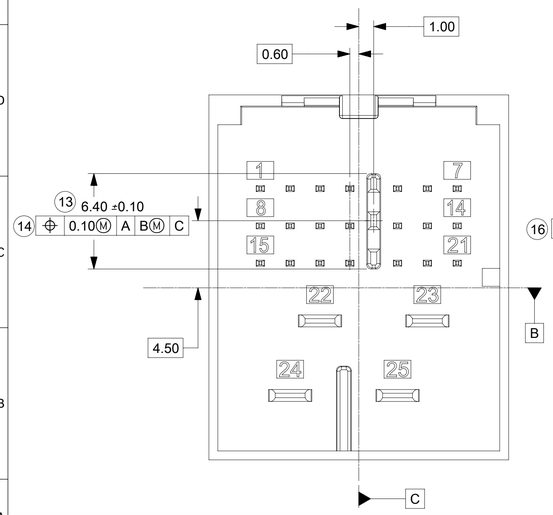
INTERFACE KEY 4 & KEY 8



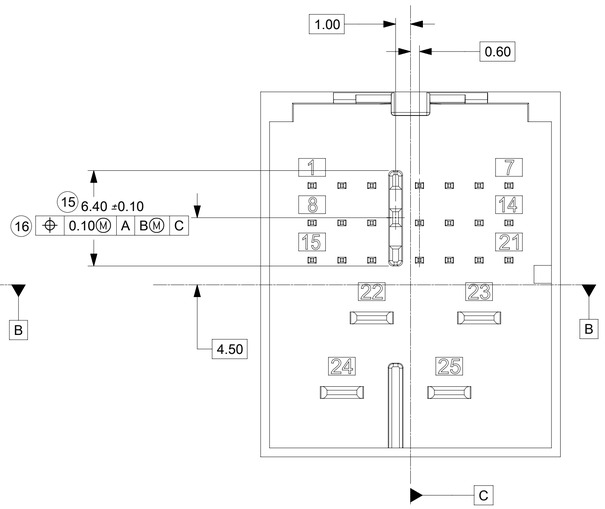


INTERFACE OPTIONS		
KEY	RIB OPTION	MATING CONNECTOR COLOR
1	OPTION A	LIGHT GREEN B
2	OPTION A	STONE GRAY
3	OPTION A	BLACK
4	OPTION A	DARK GRAY
5	OPTION B	DARK PURPLE A
6	OPTION B	TBD
7	OPTION B	TBD
8	OPTION B	LIGHT GRAY

RIB OPTION A



RIB OPTION B



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 (050-T001 & 280-T001)
   e. DEVIATION TO EWCAP-001 ACCEPTABLE IF PERFORMANCE (ELECTRICAL/MECHANICAL) IS SHOWN TO BE EQUAL OR BETTER AS REQUIRED BY VALIDATION TESTING.
      (C) 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 0.2 MAX RAISED IN 0.25 MAX RECESSED PAD. THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER.

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 08/02/2018
B	REMOVED 0.2MM FROM CONNECTOR LOCK TAB FEATURE
A2	ADDED CIRCUIT IDs
A1	ADDED NOTE 1e, MKOWALSKY 7/7/2017
8	GEOMETRY UPDATED , SPEMMARAJU 02/18/2016
7	UAU2016-1146 SAP # 10681629 JCONDON 03/25/2015

DOCUMENT STATUS	P1	RELEASE DATE	2019/10/23 15:15:03

SYMBOLS: F = 0, E = 0, B = 0, S = 0, ▼ = 0, C = 0, ☒ = 0, ■ = 0, V = 0

DIMENSION UNITS: mm
SCALE: SEE NOTES
GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL ± °
4 PLACES ±
3 PLACES ±
2 PLACES ±
1 PLACE ±
0 PLACES ±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: ADDED 2.8MM BLADE LENGTH VARIANT FOR MATE FORCE REQUIREMENT ADDED NOTE 1.E.1

EC NO: 626144
DRWN: JCONDON 2019/09/19
CHK'D: DLANGOLF 2019/10/22
APPR: JCONDON 2019/10/23

INITIAL REVISION:
DRWN: SPEMMARAJU 2015/11/03
APPR: KDEKOSKI 2016/03/24

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 160027

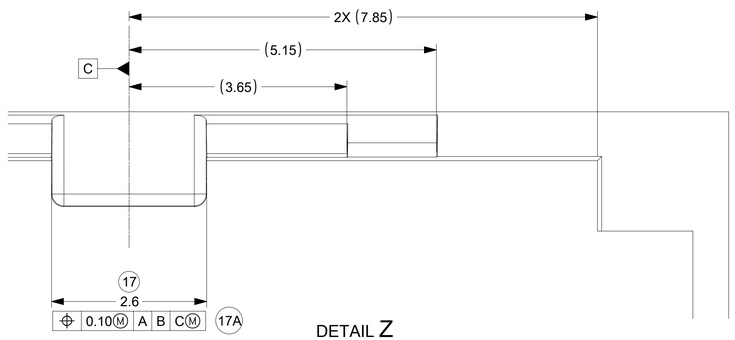
molex

25WAY STAK50H
INTERFACE DRAWING

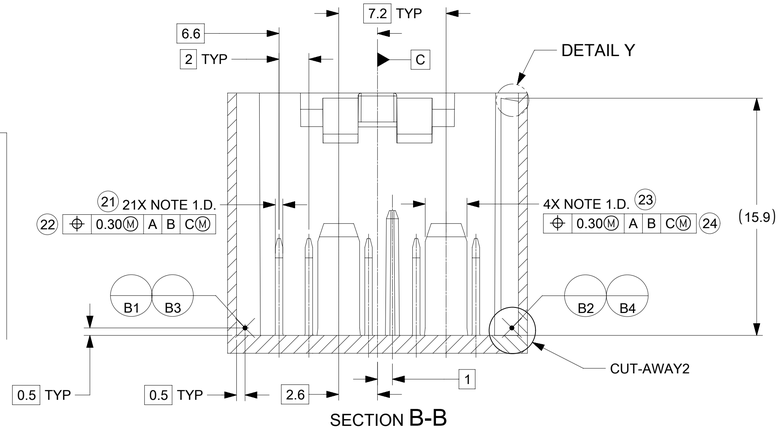
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-160027-002	PSD	000	C

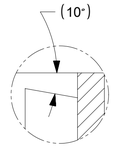
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	1 OF 3



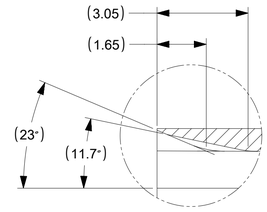
DETAIL Z
SCALE 20:1



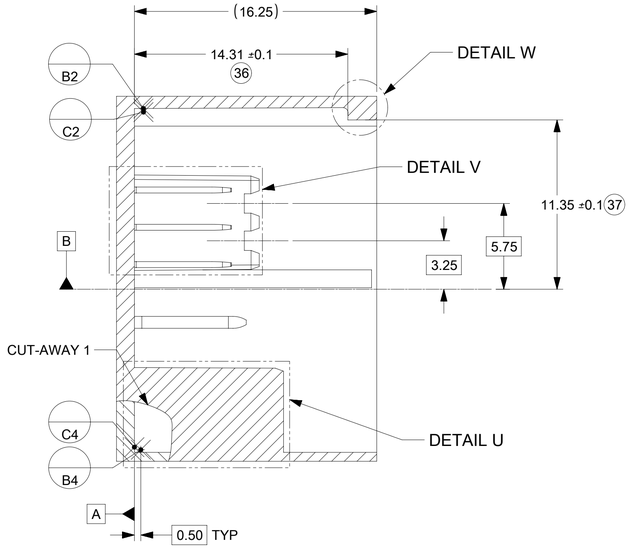
SECTION B-B



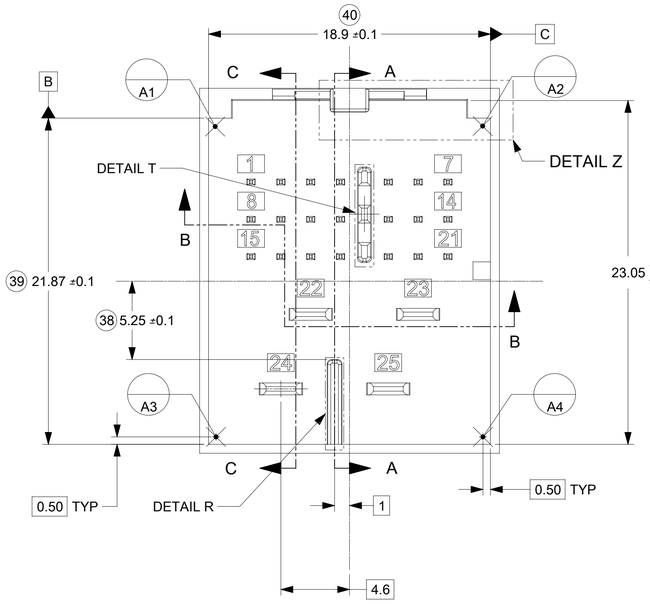
DETAIL Y
SCALE 15:1

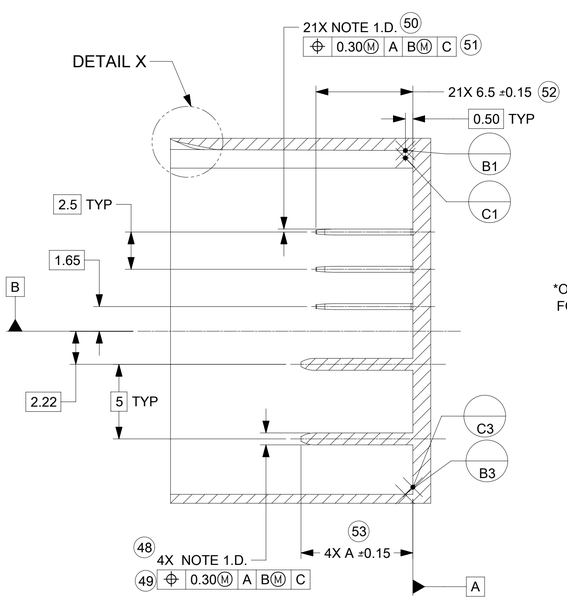


DETAIL X
SCALE 10:1



SECTION A-A

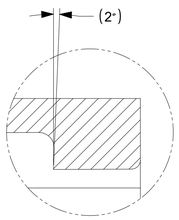




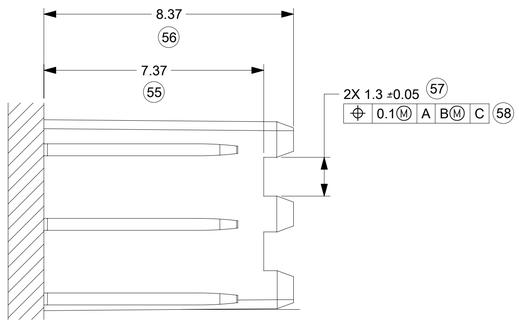
SECTION C-C

CONSTRUCTION	DIM. A (mm)	STATUS
OPTION A	7.5	REVISION B
OPTION B	6.5	REVISION C

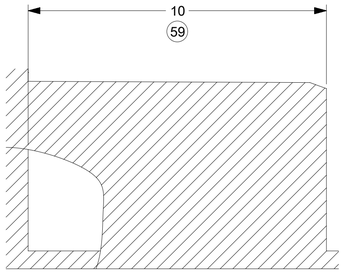
*OPTION B IS THE PREFERRED CONSTRUCTION FOR ALL NEW HEADERS



DETAIL W
SCALE 15:1

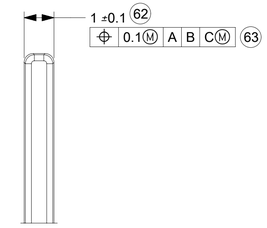


DETAIL V
SCALE 10:1



DETAIL U
SCALE 10:1

DETAIL T
SCALE 10:1



DETAIL R
SCALE 10:1

SYMBOLS	
= 0	
= 0	
= 0	
= 0	
= 0	
= 0	
= 0	
= 0	
= 0	

DIMENSION UNITS	mm
SCALE	
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL	± °
4 PLACES	±
3 PLACES	±
2 PLACES	±
1 PLACE	±
0 PLACES	±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC: ADDED 2.8MM BLADE LENGTH VARIANT FOR MATE FORCE REQUIREMENT ADDED NOTE 1.E.1

EC NO: 626144
DRWN: JCONDON 2019/09/19
CHK'D: DLANGOLF 2019/10/22
APPR: JCONDON 2019/10/23

INITIAL REVISION:
DRWN: SPEMMARAJU 2015/11/03
APPR: KDEKOSKI 2016/03/24

SEE NOTES

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 160027

molex

25WAY STAK50H
INTERFACE DRAWING

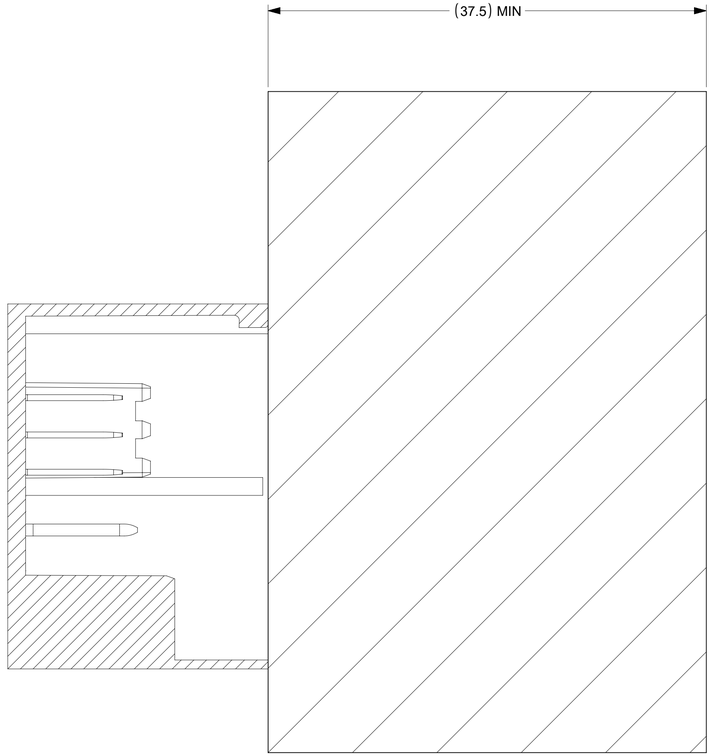
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-160027-002	PSD	000	C

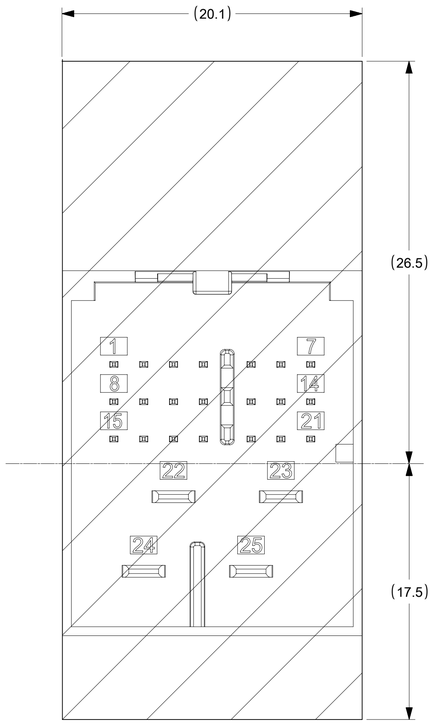
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	2 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2019/10/23 15:15:03

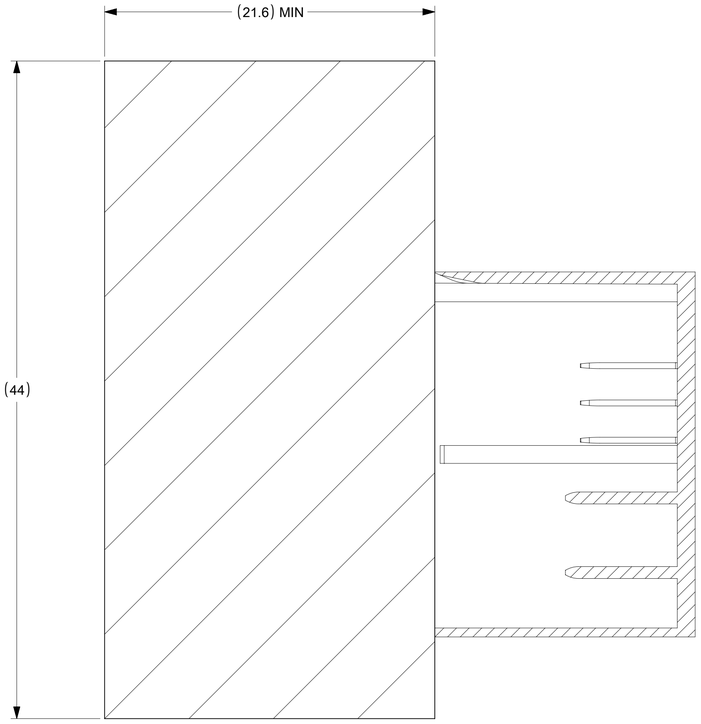
PACKAGE SPACE
FOR UNMATED
CONNECTOR



PACKAGE SPACE
FOR CONNECTOR



PACKAGE SPACE FOR
MATED CONNECTOR
WITH COVER



SYMBOLS	DIMENSION UNITS	SCALE
A = 0	mm	
E = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)	
B = 0	ANGULAR TOL ± °	
S = 0	4 PLACES ±	
= 0	3 PLACES ±	
C = 0	2 PLACES ±	
= 0	1 PLACE ±	
= 0	0 PLACES ±	
= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
V = 0		

SEE NOTES

CURRENT REV DESC: ADDED 2.8MM BLADE LENGTH VARIANT FOR MATE FORCE REQUIREMENT ADDED NOTE 1.E.1

EC NO: 626144
DRWN: JCONDON 2019/09/19
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THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 160027

molex

25WAY STAK50H
INTERFACE DRAWING

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-160027-002	PSD	000	C

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	3 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2019/10/23 15:15:03

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

Данный компонент на территории Российской Федерации

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http://moschip.ru/get-element

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

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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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