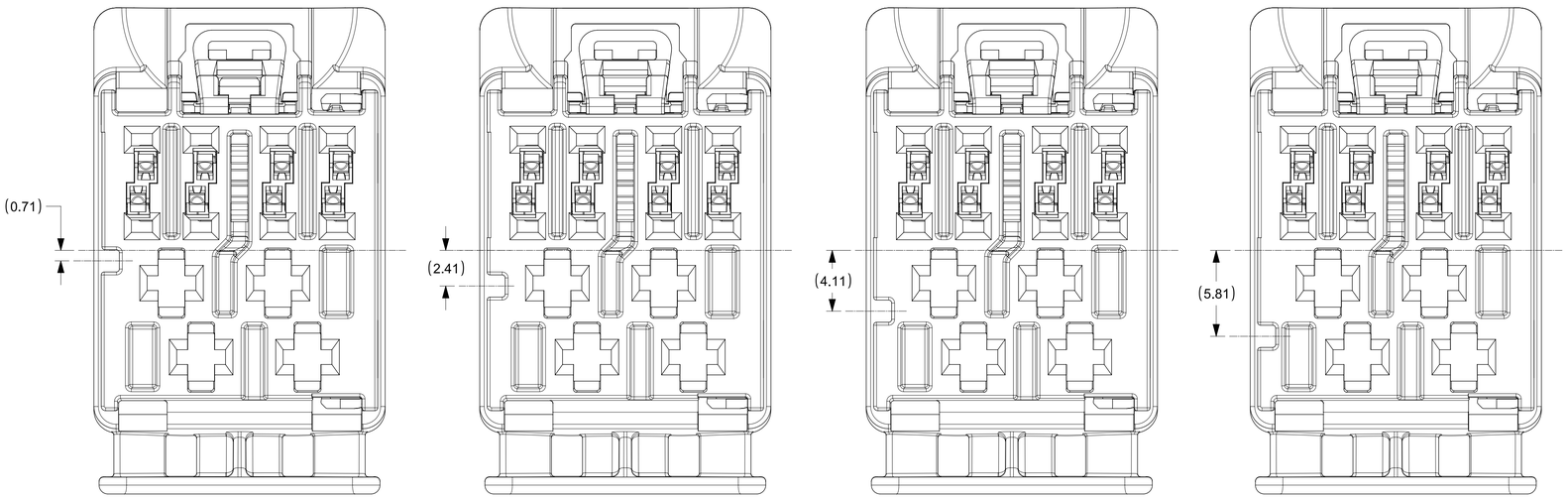
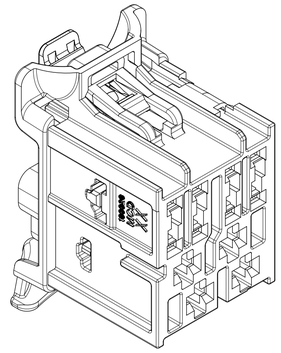


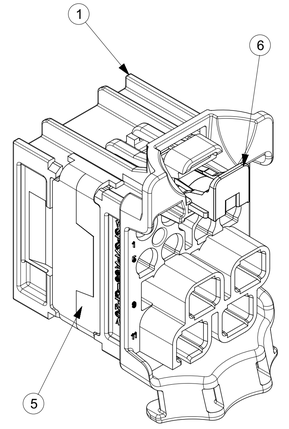
12WAY CONNECTOR ASSEMBLY
KEY 1
P/N 1600260001

12WAY CONNECTOR ASSEMBLY
KEY 2
P/N 1600260002

12WAY CONNECTOR ASSEMBLY
KEY 3
P/N 1600260003

12WAY CONNECTOR ASSEMBLY
KEY 4
P/N 1600260004





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

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

PART NUMBER	STATUS	PLATING	SUPPLIER	WIRE GAGE (mm2)	TERMINAL FAMILY	WIRE SPECIFICATION
35072403	ACTIVE		DELPHI	0.35 - 0.5	TAXI TERM OCS 1.2	SAE/ J1128 THIN WALL INSULATION GMW 15626 INSULATION TYPE FLR (REGULAR THIN WALL)
35072404	ACTIVE			0.75 - 0.8		
35072405	ACTIVE			0.8 - 1.0		
C ~~35072406~~	~~OBSOLETE~~			~~1.25 - 1.5~~		
C 35457252	ACTIVE	TIN PLATING		1.25 - 1.5		
SMSA-A031T-M1.2	ACTIVE		JST	0.5 - 0.75	MSA 1.2mm TERMINAL	
SMSA-A041T-M1.2	ACTIVE			1.0 - 1.5		
1-968851-1	ACTIVE		TE	1.0 - 2.5	AMP MCP 2.8	
1-968849-1	ACTIVE			0.5 - 1.0		
15457849	ACTIVE		DELPHI	1.5 - 2.5	CTS 2.8mm	
15457848	ACTIVE			0.5 - 1.0		

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
2. LASER ETCHED ASSEMBLY LINE
"_X" DENOTES CAPACITY ASSEMBLY LINE SUCH AS"_2" OR MORE IN FUTURE

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

C	UPDATED DELPHI 1.2 TERMINAL PN IN BOM
B3	UPDATED LASER MARK TO INCLUDE NEW CAPACITY ASSEMBLY LINE
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

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

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FP = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS: mm
SCALE: 5:1
GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL ± 3.0'
4 PLACES ±
3 PLACES ±
2 PLACES ± 0.300
1 PLACE ± 0.30
0 PLACES ± 0.30
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: SEE REVISION SHEET
PHASE:
CO NO:
DRWN: Skyla Tang 2024-08-01
CHK'D: Yann Chen 2024-08-02
APPR: Ringo Hu 2024-08-06
INITIAL REVISION:
DRWN: RFC_PLMIMP
APPR:

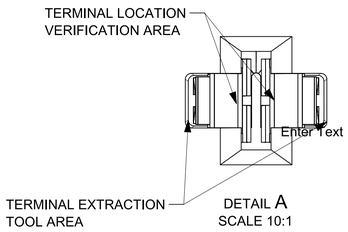
THIRD ANGLE PROJECTION
DRAWING: D-SIZE
SERIES: 160026
MATERIAL NUMBER
CUSTOMER: GENERAL MARKET
SHEET NUMBER: 1 OF 2

molex

12WAY STAK50H HYBRID CONNECTOR ASSEMBLY

PRODUCT CUSTOMER DRAWING

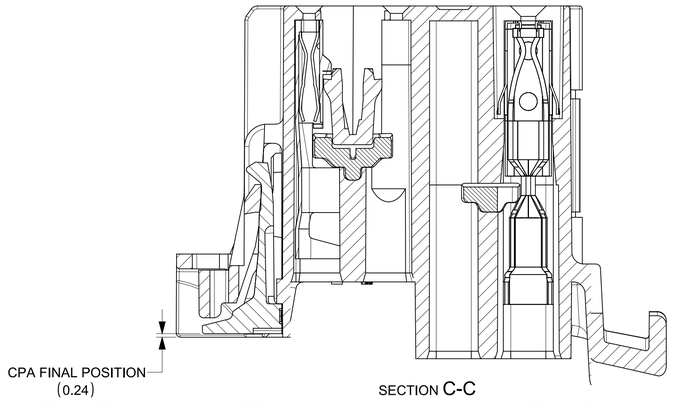
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-160026-0001	PSD	000	C



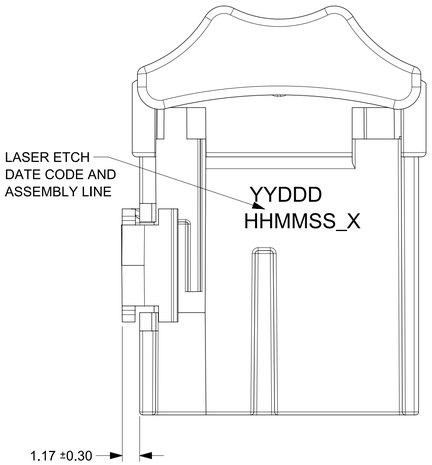
DETAIL A
SCALE 10:1

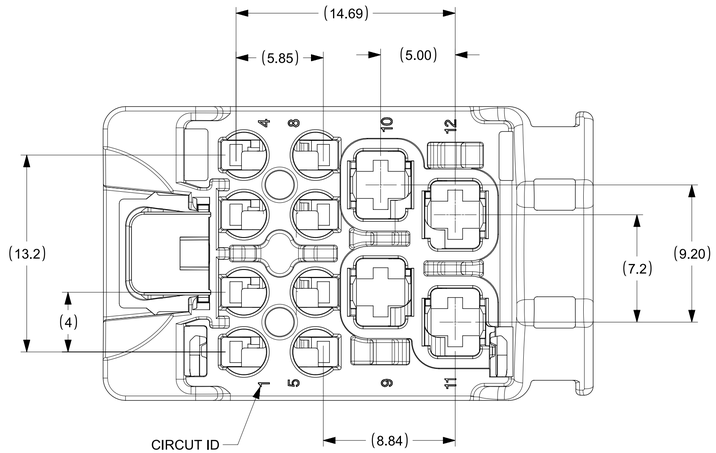


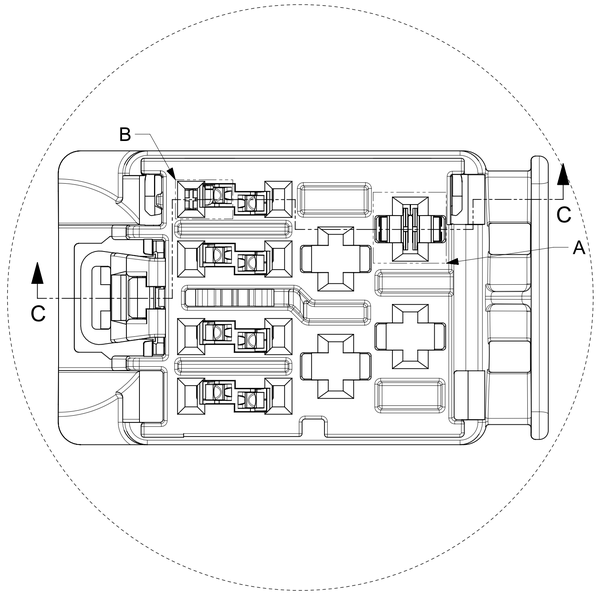
DETAIL B
SCALE 10:1

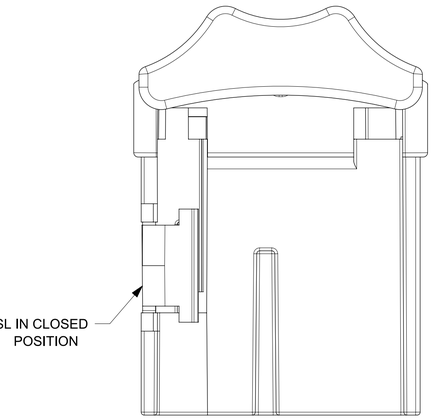


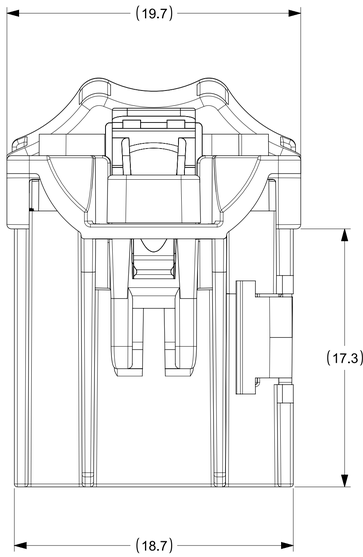
SECTION C-C
TERMINALS, ISL, AND CPA SHOWN IN CLOSED POSITION

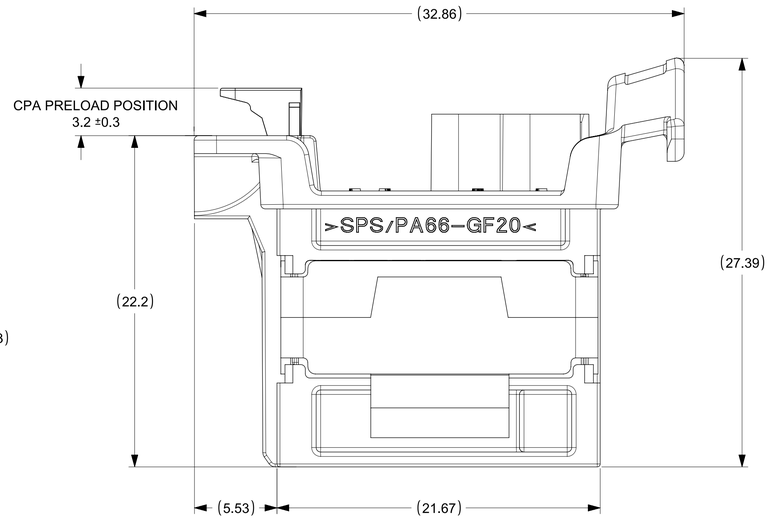




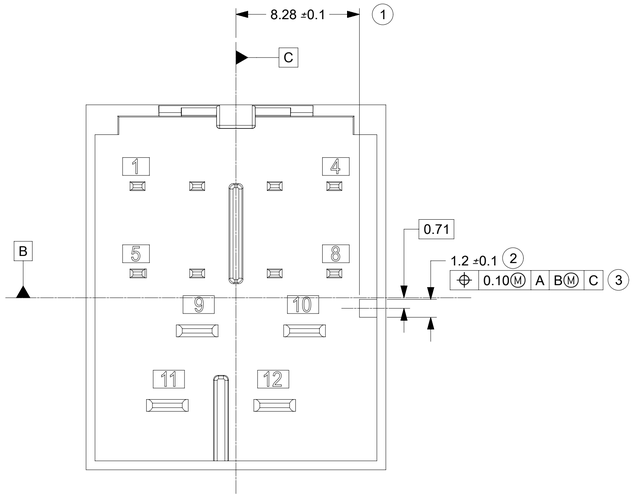




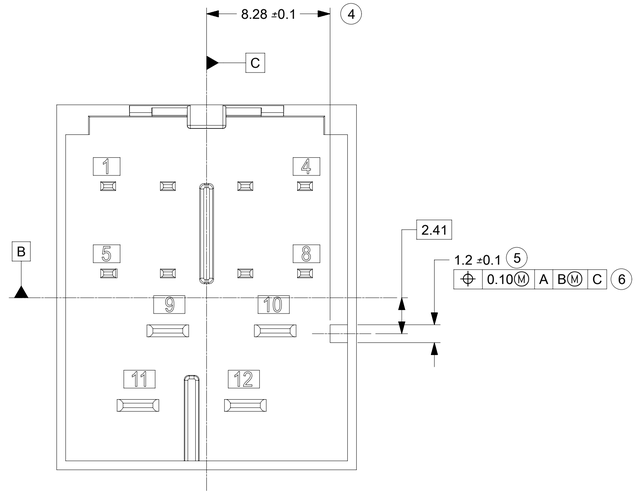




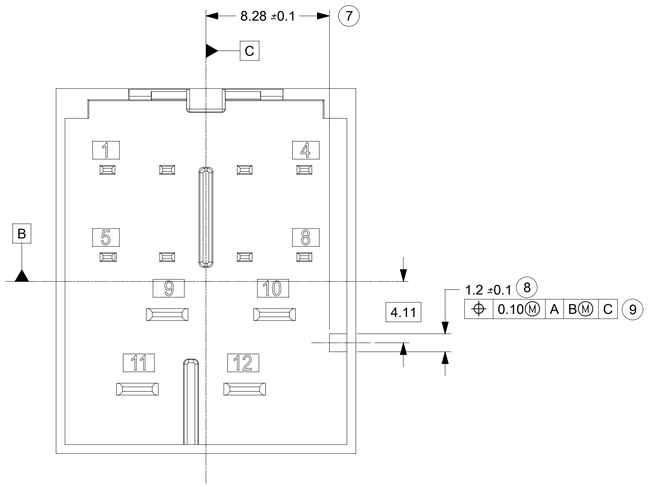
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
FA = 0	DIMENSION UNITS: mm	SCALE: 5:1	CURRENT REV DESC: SEE REVISION SHEET	molex	
FC = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			12WAY STAK50H HYBRID CONNECTOR ASSEMBLY	
FP = 0	ANGULAR TOL ± 3.0°		PHASE:		
DIVISIONAL SYMBOLS	4 PLACES ±		CO NO:		
	3 PLACES ±		DRWN: Skyla Tang 2024-08-01	PRODUCT CUSTOMER DRAWING	
	2 PLACES ± 0.300		CHK'D: Yann Chen 2024-08-02		
	1 PLACE ± 0.30		APPR: Ringo Hu 2024-08-06		
	0 PLACES ± 0.30		INITIAL REVISION: DRWN: RFC_PLMIMP APPR:	DOCUMENT NUMBER: SD-160026-0001	DOC TYPE: PSD / DOC PART: 000 / REVISION: C
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING: D-SIZE / SERIES: 160026	MATERIAL NUMBER / CUSTOMER: GENERAL MARKET / SHEET NUMBER: 2 OF 2



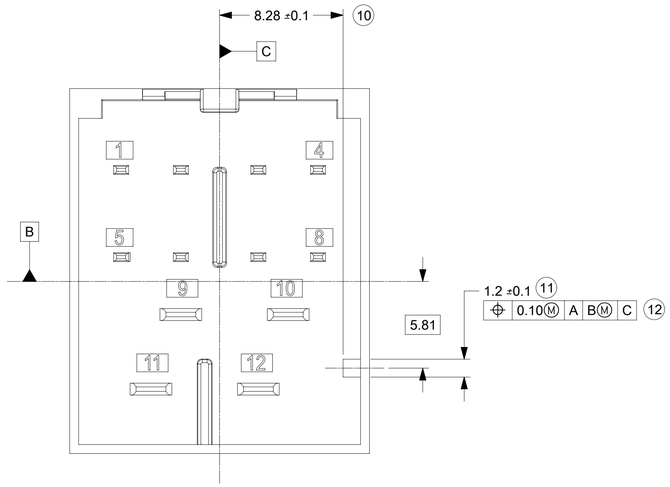
INTERFACE KEY #1
MATING CONNECTOR : BLACK



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.
      (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 0.15MAX 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

DOCUMENT STATUS	P1	RELEASE DATE	2019/10/23 15:15:02

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

SYMBOLS	
A =	0
E =	0
B =	0
S =	0
=	0
C =	0
=	0
=	0
V =	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	

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	2019/10/08
CHK'D:	DLANGOLF	2019/10/22
APPR:	JCONDON	2019/10/23
INITIAL REVISION:		
DRWN:	SPEMMARAJU	2015/10/27
APPR:	KDEKOSKI	2016/03/24

molex

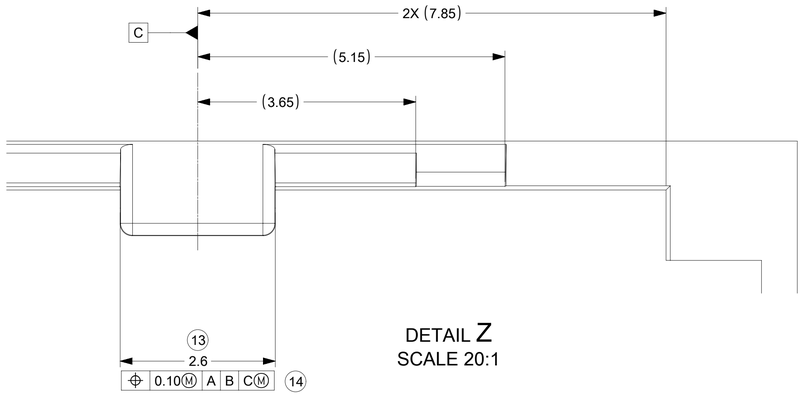
12WAY STAK50H
INTERFACE DRAWING

PRODUCT CUSTOMER DRAWING

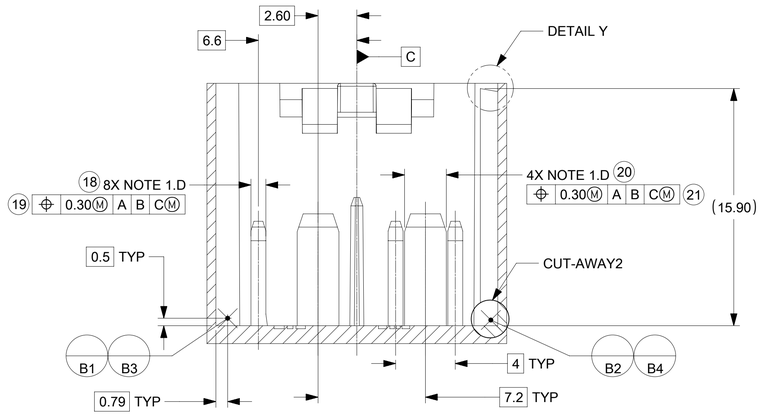
THIRD ANGLE PROJECTION	DRAWING	SERIES
	D-SIZE	160026

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-160026-002	PSD	000	C

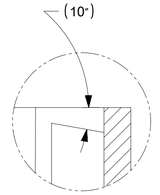
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	1 OF 3



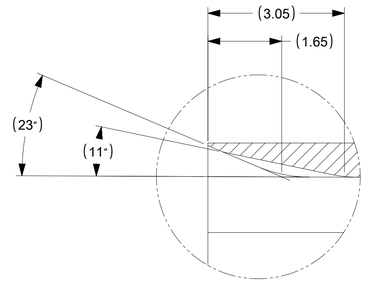
DETAIL Z
SCALE 20:1



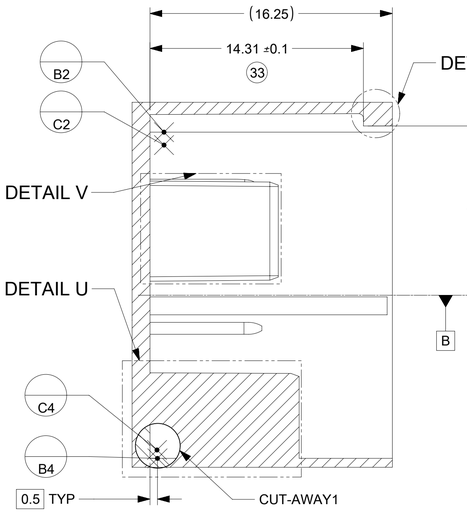
SECTION B-B



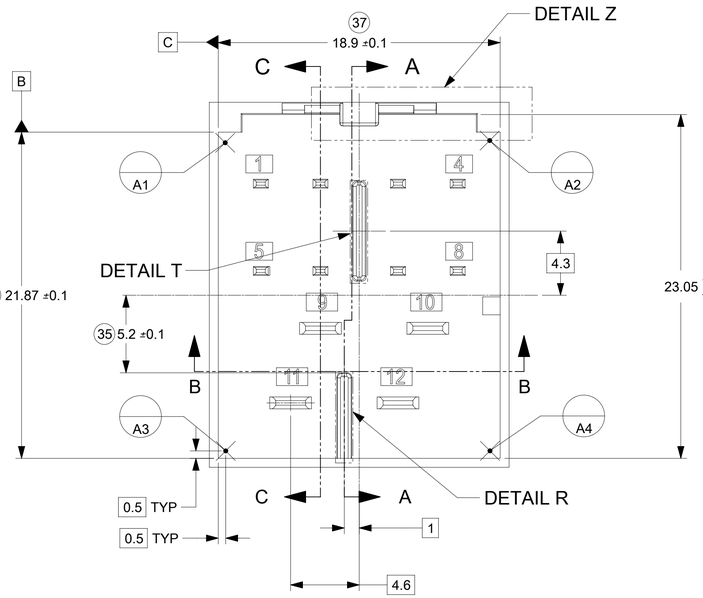
DETAIL Y
SCALE 15:1

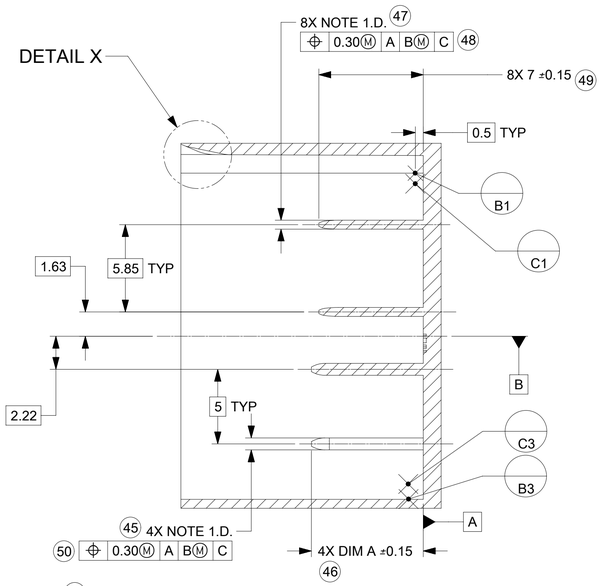


DETAIL X
SCALE 15:1



SECTION A-A

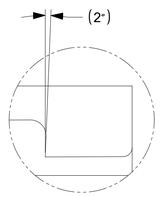




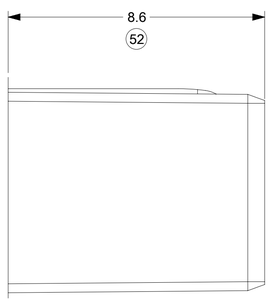
CONSTRUCTION	DIM. A (mm)	STATUS
OPTION A	7.5	REVISION B
OPTION B	6.5	REVISION C

C

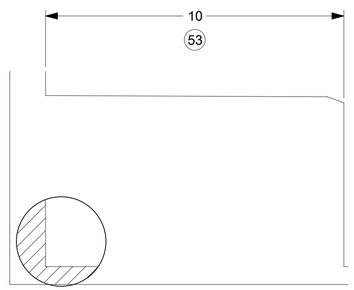
*OPTION B IS THE PREFERED CONSTRUCTION FOR ALL NEW HEADERS



DETAIL W
SCALE 15:1

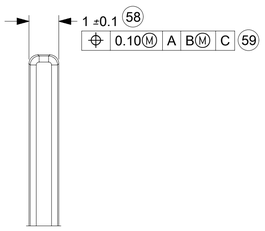


DETAIL V
SCALE 10:1



DETAIL U
SCALE 10:1

DETAIL T
SCALE 10:1



DETAIL R
SCALE 10:1

SYMBOLS	
F/V = 0	
F/C = 0	
F/F = 0	
S = 0	
▽ = 0	
C = 0	
☒ = 0	
■ = 0	
V = 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

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

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

EC NO: 626144
DRWN: JCONDON 2019/10/08
CHK'D: DLANGOLF 2019/10/22
APPR: JCONDON 2019/10/23

INITIAL REVISION:
DRWN: SPEMMARAJU 2015/10/27
APPR: KDEKOSKI 2016/03/24

SEE NOTES

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 160026

molex

12WAY STAK50H
INTERFACE DRAWING

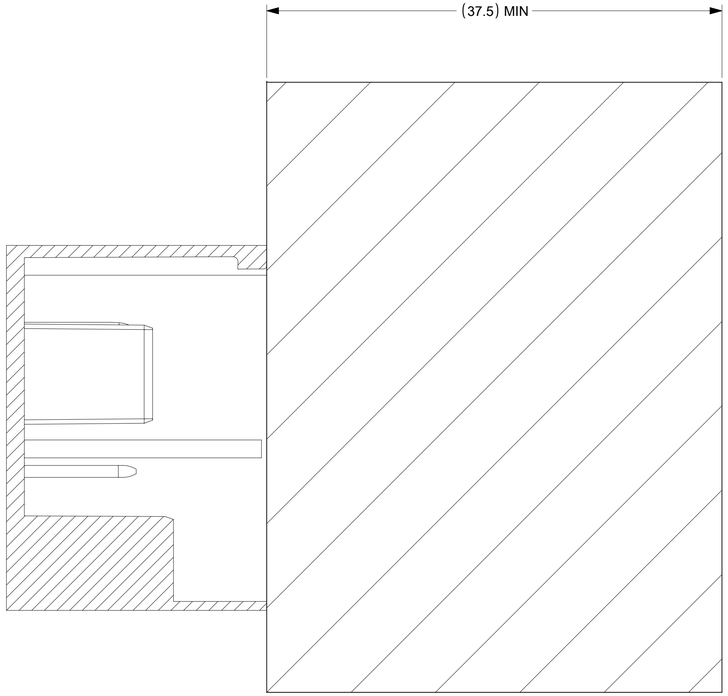
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-160026-002	PSD	000	C

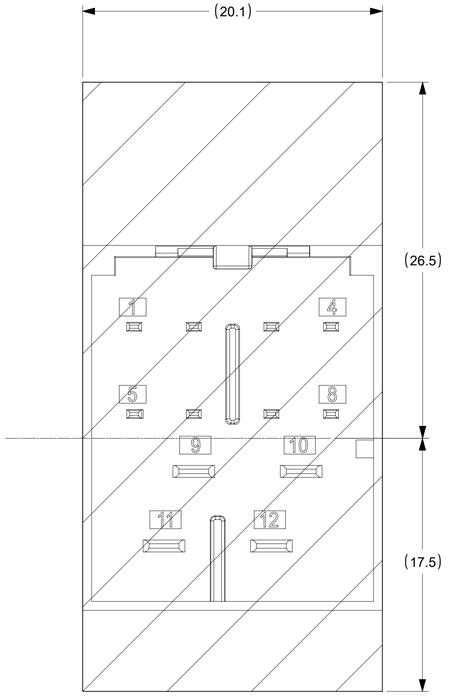
MATERIAL NUMBER | CUSTOMER: GENERAL MARKET | SHEET NUMBER: 2 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2019/10/23 15:15:02

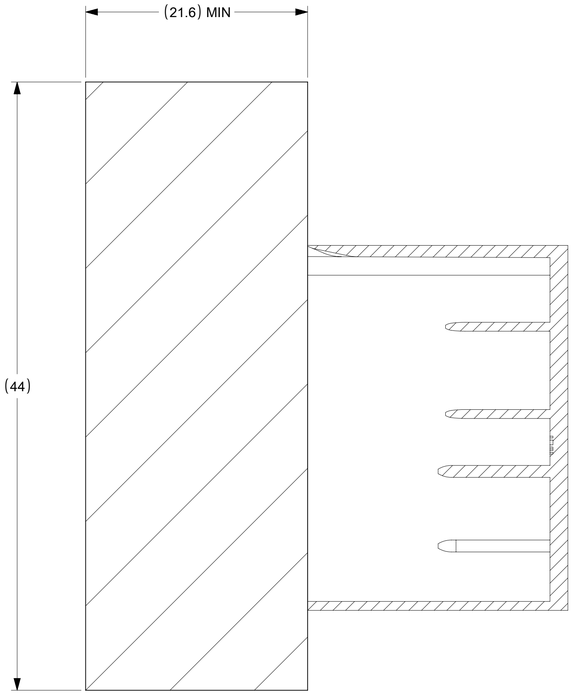
PACKAGE SPACE
FOR UNMATED
CONNECTOR



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		
A = 0 C = 0 D = 0 S = 0 B = 0 C = 0 X = 0 M = 0 V = 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 2019/10/08 CHK'D: DLANGOLF 2019/10/22 APPR: JCONDON 2019/10/23 INITIAL REVISION: DRWN: SPEMMARAJU 2015/10/27 APPR: KDEKOSKI 2016/03/24	molex 12WAY STAK50H INTERFACE DRAWING PRODUCT CUSTOMER DRAWING

SEE NOTES

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	DOC TYPE	DOC PART	REVISION	SHEET NUMBER
	D-SIZE	160026		GENERAL MARKET	PSD	000	C	3 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2019/10/23 15:15:02

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