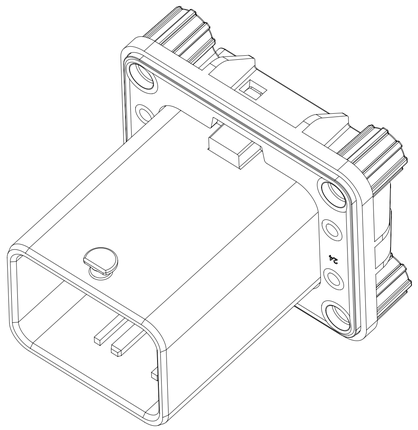
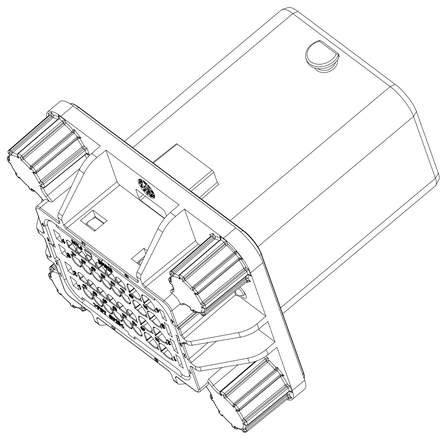
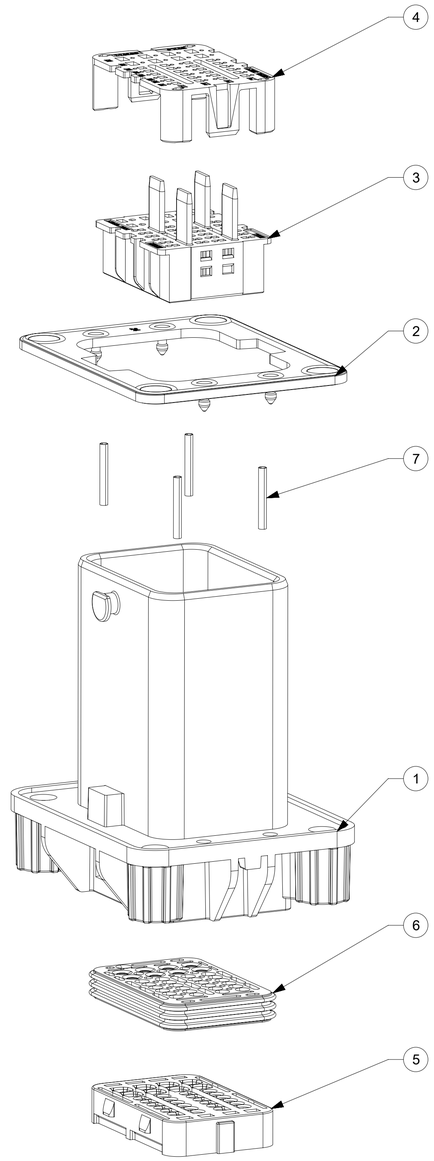






NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:
   - (B) 1.1 MATING CONNECTOR INFORMATION REFER TO MOLEX SD-64319-001
   - 1.2 APPLICATION SPECIFICATION SEE: 5018203231-AS
   - 1.3 PRODUCT SPECIFICATION SEE: 5018203231-PS
   - 1.4 HEADER INTERFACE DRAWING REFER TO MOLEX DWG SD-98644-006
   - 1.5 PACKAGING SPECIFICATION PER MOLEX DRAWING 5018209000-PK
   - 1.6 DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)

2. DESIGN - MATERIALS: SEE ASSEMBLY PART LIST TABLE

3. DESIGN - GEOMETRY:
   - 3.1 THE 3-D CAD DATA IS BASIC (WITHOUT TOLERANCE) AND MUST BE TAKEN FROM THE DATA FILE AT ITS LATEST REVISION.
   - 3.2 THE 3-D CAD DATA IS MASTER FOR THIS PART AND IS TO BE USED TO ESTABLISH DIMENSIONAL INFORMATION NOT SHOWN ON THIS DRAWING. ANY DIMENSIONS UNDERLINED INDICATE A CONFLICT WITH THE MODEL.
   - 3.3 PRODUCT DESIGN MODEL NUMBER(S): 501820323X CUSTOMER MODEL FROM MOLEX PLM SYSTEM.
   - 3.4 GENERAL TOLERANCE SEE TITLE BLOCK.
   - 3.5 LASER MARKING TEXT, FONT: ARIAL, SIZE 4mm

4. (C) DESIGN - MANUFACTURING:
   - 4.1 SHIPPED PARTS WITH GASKET ASSEMBLED.
   - 4.2 ALIGNMENT PLATE IN PRE-LOCK POSITION DURING DELIVERY.

ASSEMBLY PART LIST				
ITEM NO.	DESCRIPTION	QTY/ASSY	MATERIAL	COLOR
1	HOUSING	1	PBT G.F.	GRAY
2	GASKET	1	SILICONE	RED BROWN
3	SECONDARY LOCKING	1	PBT G.F.	BLACK
4	ALIGNMENT PLATE	1	PBT G.F.	GREEN
5	REAR SEAL COVER	1	PBT G.F.	GREEN
6	MAT SEAL	1	SILICONE	BLUE
7	COIL SPRING	4	STAINLESS STEEL	/

INSPECTION BALLOON NUMBERS LOG	
THE LAST BALLOON NUMBER USED	9
THE BALLOON NUMBER ADDED	
THE BALLOON NUMBER REMOVED	

REVISION	ECTR #	DATE	DESCRIPTIONS
C	622486	2019/8/16	Page1: Notes: Remove 4.1 ANY PROCESS LUBRICANT REMAINING ON THE TERMINAL MUST NOT VARNISH OR DEGRADE ITS ELECTRICAL PERFORMANCE AS DEFINED IN THE PRODUCT SPEC. PROCESS LUBRICANTS SHALL BE APPROVED BY THE RESPONSIBLE ENGINEER. Page2: Notes: Revise the 5th notes for screw torque recommendation
B1	612043	2019/2/14	RELEASE FOR GENERAL MARKET NO MODIFICATION FOR CONTENT
B	603954	2018/9/10	Add header coding table on pg2. Revise laser marking content definition. Revise note for screw torque recommendation. Revise panel recommendation layout: 10.75±0.1 was 10.4±0.1 7.6±0.1 was 7.2±0.1 16.25±0.1(2x) was 16.1±0.1(2x) add radius R1.0 MAX (4x) see revision marker (B) for changes
A	600397	2018/6/11	INITIAL RELEASE

REVISION LOG

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SYMBOLS: A = 0; E = 0; F = 0; S = 0; ▼ = 0; C = 0; ☒ = 0; ■ = 0; V = 0

DIMENSION UNITS: mm | SCALE: 2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	2.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	
1 PLACE	±	0.2
0 PLACES	±	0.2

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: INITIAL RELEASE

EC NO: 622486
DRWN: NPENG01 2019/08/16
CHK'D: HWBAI 2019/08/21
APPR: JDENG02 2019/08/22

INITIAL REVISION:
DRWN: HWBAI 2018/05/23
APPR: CBQIU 2018/07/04

THIRD ANGLE PROJECTION | DRAWING: A1-SIZE | SERIES: 501820

molex

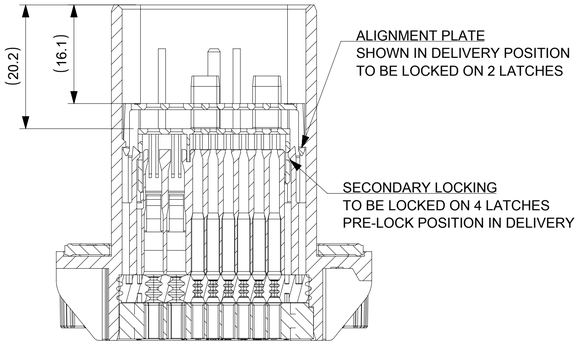
SALES DARWING
CMC 32P PANEL MOUNT HEADER

PRODUCT CUSTOMER DRAWING

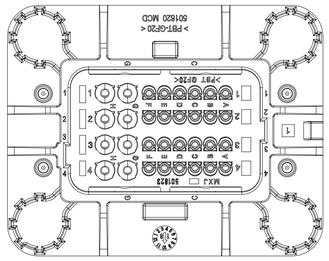
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
5018203231-SD	PSD	000	C

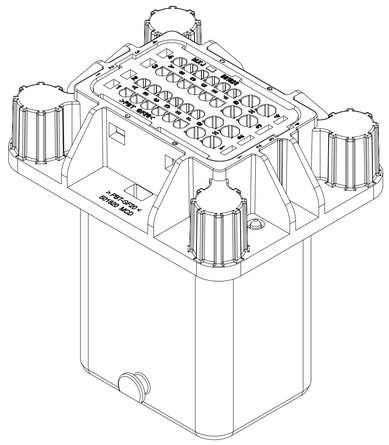
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	1 OF 2

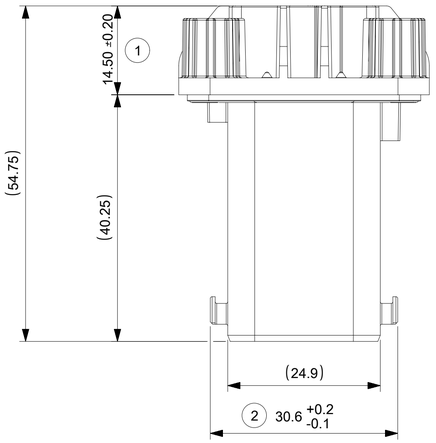
DOCUMENT STATUS	P1	RELEASE DATE	2019/08/22 04:17:29

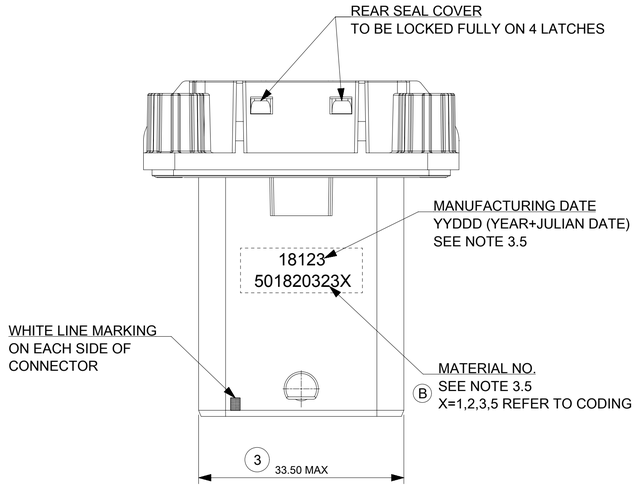


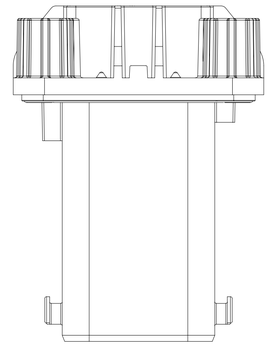
SECTION A-A

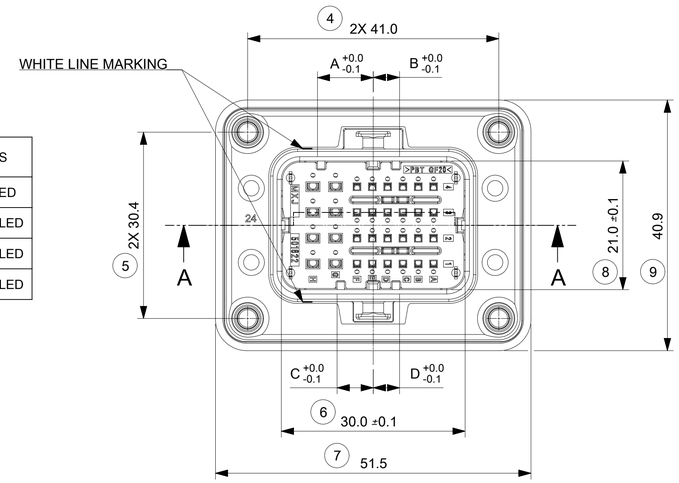




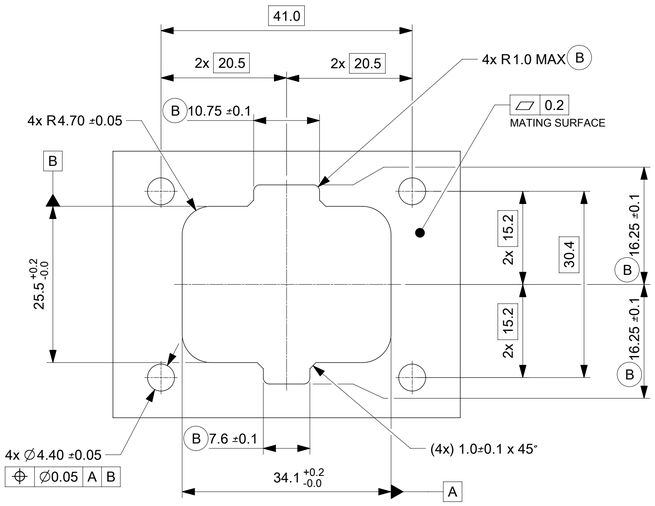








PANEL LAYOUT RECOMMENDATION



B HEADER CODING TABLE

MOLEX P/N	CODING	COLOR (RCPT TPA)	DIM. A	DIM. B	DIM. C	DIM. D	STATUS
5018203231	1	BLACK	9.1	4.3	5.9	4.3	RELEASED
TBD	2	GREY	7.5	5.9	9.1	5.9	NOT TOOLED
TBD	3	BROWN	5.9	7.5	9.1	9.1	NOT TOOLED
TBD	5	BLUE	4.3	7.5	5.9	5.9	NOT TOOLED

NOTES:
1. MATERIAL: STAINLESS STEEL OR ALUMINIUM.
2. REQUIRED MATING SURFACE FINISH: Ra 3.0μm MAX OR POLISHED
3. RECOMMENDED PANEL THICKNESS FOR MATING AREA: t=3.0~4.0mm
4. REQUIRED SCREW:
   NAME: CROSS RECESSED ROUND HEAD SELF-TAPPING SCREW TYPE F
   SPECIFICATION: ST4.2X13, REFER TO GB/T845-1985 Q2724213

C B 5. RECOMMENDED FASTEN TORQUE: 1.4 N·m, MORE DETAILS REFER TO 5018203231-AS-CH

DOCUMENT STATUS	P1	RELEASE DATE	2019/08/22 04:17:29

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DIMENSION UNITS	SCALE
mm	2:1

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THIRD ANGLE PROJECTION | DRAWING: A1-SIZE | SERIES: 501820

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SALES DARWING
CMC 32P PANEL MOUNT HEADER

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
5018203231-SD	PSD	000	C

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	2 OF 2