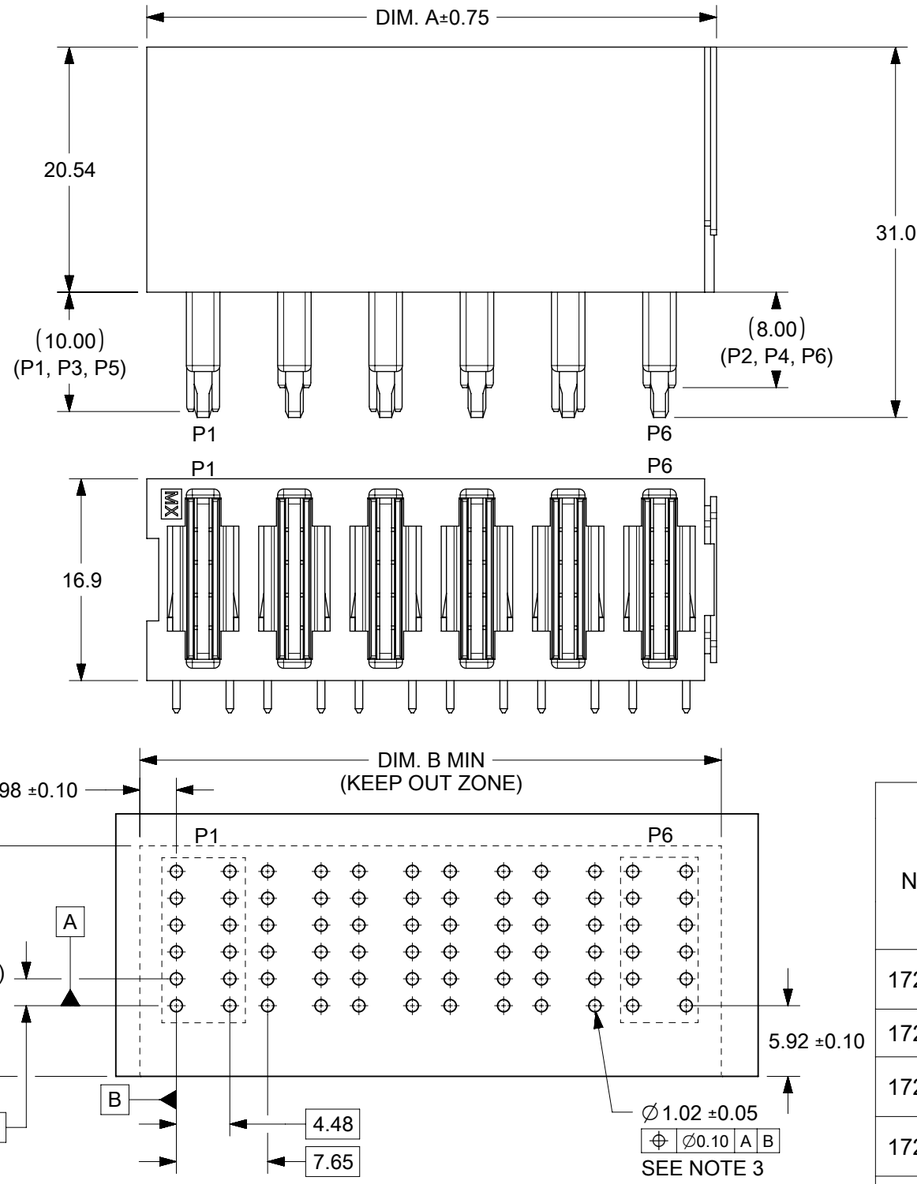
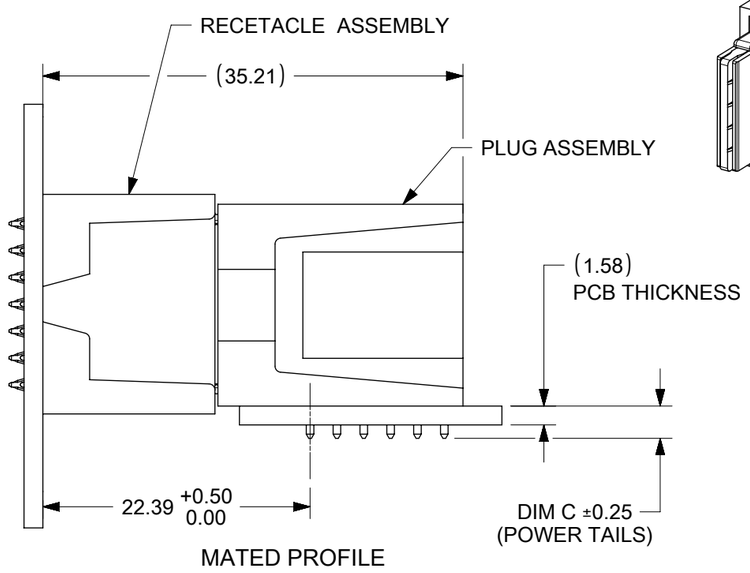
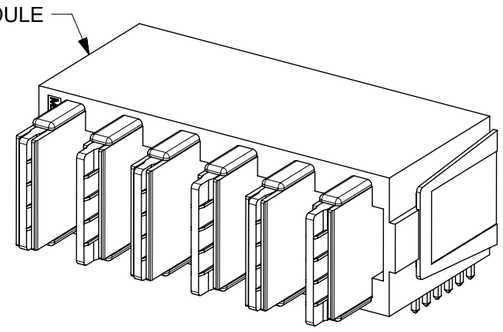


RECOMMENDED PCB LAYOUT AND KEEP OUT ZONE



MATED PROFILE



PART NUMBER	NO. OF POWERS	DIM 'A'	DIM 'B'	DIM 'C'	TAIL OPTIONS	MATING PART		
						VERT. RECEPTACLE DRAWING: SD-172186-0009	RA RECEPTACLE DRAWING: 2049000009	
						COMPLIANT PIN (P/N)	SOLDER TAIL(P/N)	COMPLIANT PIN (P/N)
1721850009	6	47.75	48.75	2.71	SOLDER TAIL	1721860009	2049000009	2049000015
1721850010	4	32.45	33.45			1721860010	2049000010	2049000016
1721850011	2	17.15	18.15			1721860011	2049000011	2049000017
1721850015	6	47.75	48.75	2.71	COMPLIANT PIN	1721860009	2049000009	2049000015
1721850016	4	32.45	33.45			1721860010	2049000010	2049000016
1721850017	2	17.15	18.15			1721860011	2049000011	2049000017

NOTES:
1. MATERIAL:
   -HOUSINGS: LCP UL94, V-0, COLOR : BLACK
   -TERMINALS: HIGH CONDUCTIVITY COPPER ALLOY
   -PLATING: 1.27µM (50µ") NICKEL OVERALL WITH
   2.54µM (100µ") SELECTIVE TIN ON TAILS AND
   0.762µM (30µ") SELECTIVE GOLD ON CONTACT AREA
2. PACKAGING SPECIFICATION: PK-172185-0003.
3. PLATED THRU HOLE SIZE, REFER TO PS-172185-0001 FOR DETAILS
4. PRODUCT SPEC: PS-172185-0001
5. PRODUCT TO MEET RoHS REQUIREMENTS
6. FOR MATING PARTS SEE TABLE
7. TAIL DESIGN: SEE TABLE
8. CONTACTS ARE LUBRICATED

DOCUMENT STATUS	P1	RELEASE DATE	2021/02/01 11:32:21

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

DIMENSION UNITS	SCALE
mm	NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± 3.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.13
1 PLACE	± 0.25
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 650801
DRWN: GSHARMA 2020/12/07
CHK'D: GSHARMA 2020/12/07
APPR: HTHYAGARAJ 2021/02/01

INITIAL REVISION:
DRWN: CGOH 2015/01/04
APPR: CGOH 2015/05/28

THIRD ANGLE PROJECTION | DRAWING: B-SIZE | SERIES: 172185

molex

MODULAR ENERGETIC POWER
RIGHT ANGLE PLUG POWER MODULE W/O GUIDE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-172185-0009	PSD	001	B1

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

FORMAT: master-B-prod-B
REVISION: H
DATE: 2018/01/18