

2.5 ±0.25  
(SIGNAL TAILS)

14.4

1.58 MIN  
PCB THICKNESS

2.83 ±0.25  
(POWER TAILS)

ALLOW EXTRA  
6.00 PER SIDE  
FOR RE-WORK

20.3

18.4

5 4 3 2 1

A ±0.75

B MIN  
(KEEP OUT ZONE)

Ø1.02 ±0.05  
(SEE NOTE 3)

Ø0.70 ±0.05  
Ø0.10 A B  
(SEE NOTE 3)

21.30 MIN  
(KEEP OUT ZONE)

1.65

6.46

8.50

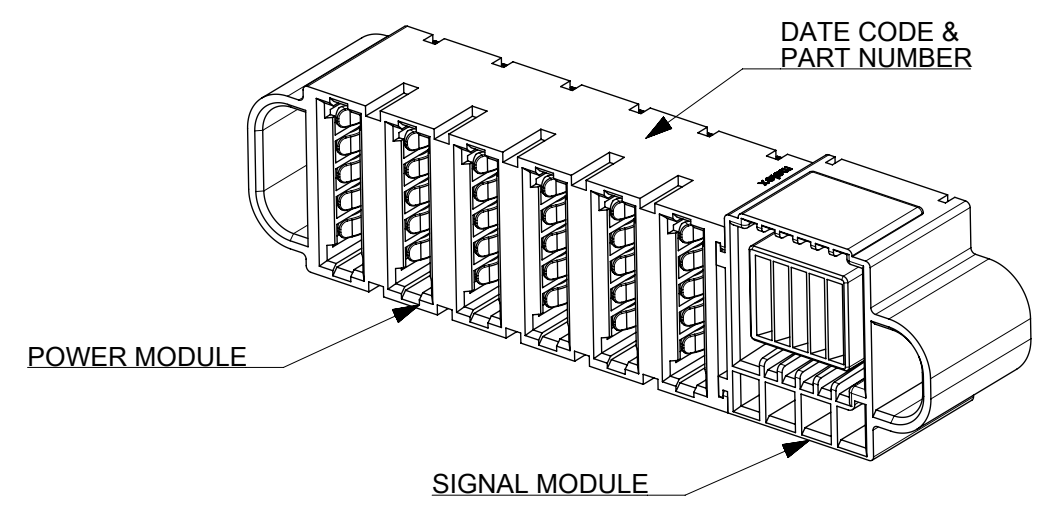
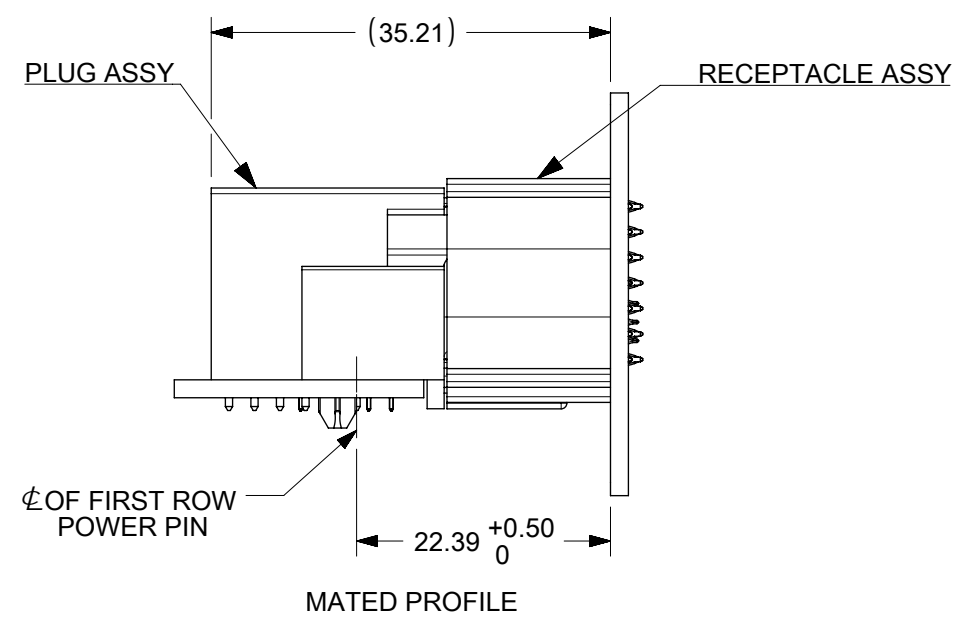
4.85

2.25

RECOMMENDED PCB LAYOUT AND KEEP OUT ZONE

- NOTE:
- MATERIAL:
    - HOUSINGS: LCP UL94, V-0, COLOR: BLACK
    - TERMINALS: COPPER ALLOY
    - PLATING: 1.27µm (50µ") NICKEL OVERALL WITH 2.54µm (100µ") SELECTIVE TIN ON TAILS AND 0.762 µm (30µ") SELECTIVE GOLD ON CONTACT AREA
  - PACKAGING SPECIFICATION: PK-172186-0001
  - PLATED THRU HOLE SIZE, REFER TO PS-172185-0001 FOR DETAILS
  - PRODUCT SPEC: SEE TABLE
  - PRODUCT TO MEET ROHS REQUIREMENTS
  - FOR MATING PARTS SEE PLUG ASSEMBLY SD-172185-0001
  - TAIL DESIGN: COMPLIANT PIN
  - POWER AND SIGNAL CONTACTS ARE LUBRICATED

PACKAGING SPECIFICATION	PART NUMBER	NO. OF POWERS	DIM 'A'	DIM 'B'	# OF SIGNALS
PK-172186-0001	172186-0001	6	76.10	77.10	25
PK-172186-0002	172186-0002	4	60.80	61.80	
PK-172186-0002	172186-0003	2	45.50	46.50	



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		<b>molex</b>	
DIMENSION UNITS	SCALE				
mm	NTS			VERTICAL RECEPTACLE ASSY MODULAR ENERGETIC	
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 625448		PRODUCT CUSTOMER DRAWING	
ANGULAR TOL	± 3.0 °	DRWN: GSHARMA	2019/10/10	DOCUMENT NUMBER	
4 PLACES	±	CHK'D: GSHARMA	2019/10/10	SD-172186-0001	
3 PLACES	±	APPR: HTHYAGARAJ	2019/10/10	DOC TYPE	DOC PART
2 PLACES	± 0.13	INITIAL REVISION:		PSD	001
1 PLACE	± 0.25	DRWN: CGOH	2013/12/19	REVISION	
0 PLACES	±	APPR: CGOH	2013/12/20	A4	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER
			A3-SIZE	172186	CUSTOMER
					GENERAL MARKET
					SHEET NUMBER
					1 OF 1