

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

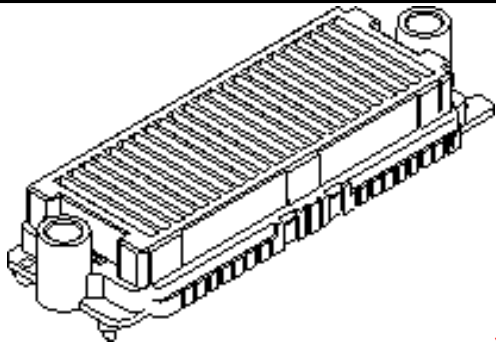
0465531200

Status:

Active

Description:

1.20mm (.047") x 2.00mm (.079") Pitch HD Mezz™ Receptacle, 104 Circuits, 18.00mm (.708") Unmated Height, 11 Rows,Selectively Filled, Lead Free



Series

image - Reference only

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [Product Specification PS-45802-001 \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	PCB Receptacles
Series	46553
Application	Board-to-Board
Comments	1.20mm (.047") Pitch Pin-to-Pin and 2.00mm (.079") Pitch Row-to-Row
Product Name	Mezzanine

Physical

Circuits (Loaded)	104
Circuits (maximum)	104
Color - Resin	Black
Durability (mating cycles max)	100
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	11
Orientation	Vertical
PC Tail Length (in)	0.000 In
PC Tail Length (mm)	0.00 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.000 In
PCB Thickness Recommended (mm)	0.00 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.079 In
Pitch - Mating Interface (mm)	2.00 mm
Pitch - Term. Interface (in)	0.079 In
Pitch - Term. Interface (mm)	2.00 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.75
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.5
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Robotic Placement	Vacuum Pick-Up Tape
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Surface Mount

Electrical

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
46553Series

Current - Maximum	2A
Grounding to PCB	No
Voltage - Maximum	250V AC

Solder Process Data

Duration at Max. Process Temperature (seconds)	20
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	2
Process Temperature max. C	260

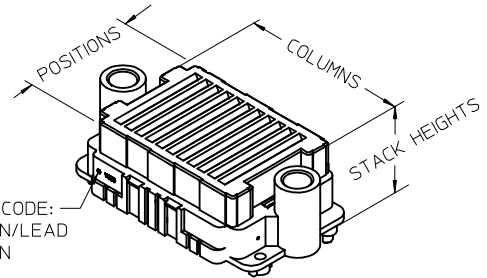
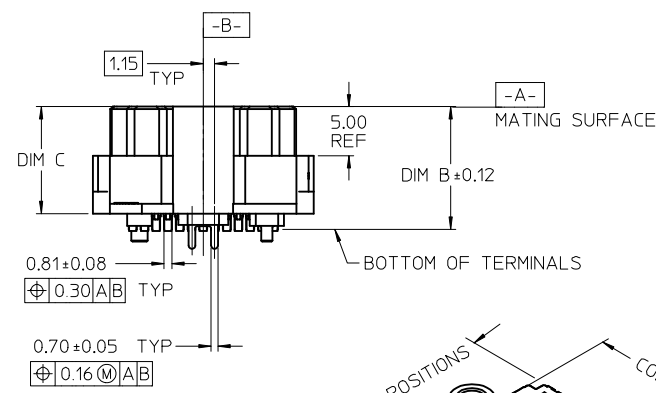
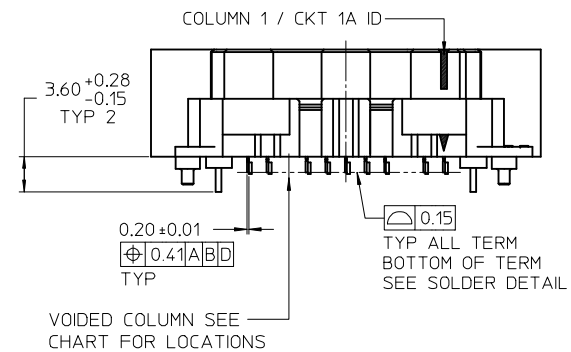
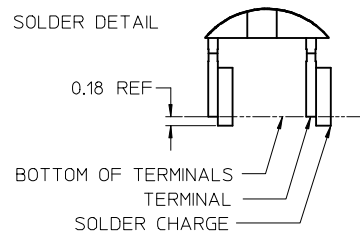
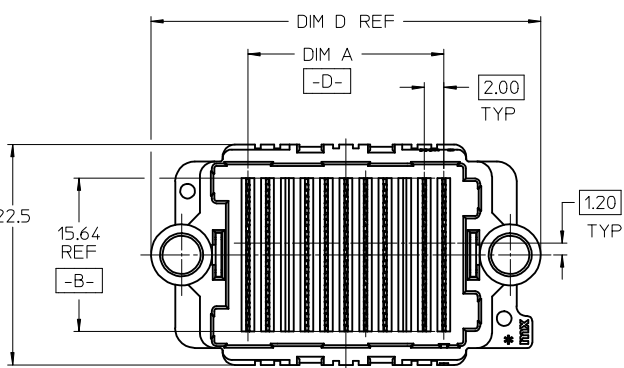
Material Info

Reference - Drawing Numbers

Product Specification	PS-45802-001
Sales Drawing	SD-46553-001

This document was generated on 02/24/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



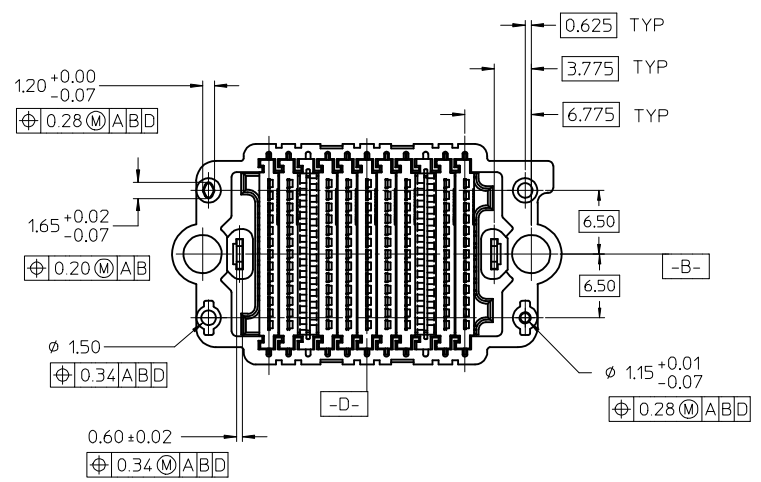
LEAD CODE:
0 = TIN/LEAD
2 = TIN

SEE SHEET 3 FOR COLUMN / POSITION
NUMBERING SYSTEM

- NOTES:
1. HOUSING MATERIAL: LCP, GLASS FILLED, UL 94V-0, BLACK
CONTACT MATERIAL: HIGH PERFORMANCE ALLOY
SOLDER NAIL MATL: STAINLESS STEEL
SOLDER CHARGE MATL: SEE CHART
 2. FINISH: SELECT GOLD 30 MI MIN IN CONTACT AREA
SELECT TIN: 100 MI MIN IN PCB TAIL BOTH OVER NICKEL
 3. PRODUCT SPECIFICATION: PS-45802-001
 4. COSMETIC SPECIFICATION: PS-45499-002 CLASS B
 5. PACKAGING SPECIFICATION: PK-45802-001
 6. DATUM -D- IS THE CENTERLINE OF THE 2 END SLOTS. END
SLOT CENTERLINES ARE ESTABLISHED USING 2 MEASUREMENTS
FOR EACH SLOT TAKEN 7.20 EITHER SIDE OF DATUM -B-.

AVAILABLE STACK HEIGHTS		
STACK HEIGHT	DIM B	DIM C
8mm	10.51	8.90
9mm	11.51	9.90
10mm	12.51	10.90
11mm	13.51	11.90
12mm	14.51	12.90
13mm	15.51	13.90
14mm	16.51	14.90
15mm	17.51	15.90
17mm	19.51	17.90
18mm	20.51	18.90

AVAILABLE COLUMNS		
NO OF COLUMNS	DIM A	DIM D
7	12.00	31.89
9	16.00	35.89
11	20.00	39.89
13	24.00	43.89
15	28.00	47.89
17	32.00	51.89
19	36.00	55.89
21	40.00	59.89
23	44.00	63.89
25	48.00	67.89
27	52.00	71.89



ADD OPTIONS EC NO: UCP2009-2695 DRWNR: RHODGE CHKD: JCOMERC I APPR: JCOMERC I 2009/05/14 2009/05/15 2009/05/15	QUALITY SYMBOLS DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± 0.10</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.15</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.25</td> <td>± ---</td> </tr> <tr> <td colspan="3" rowspan="4">ANGULAR ± 1/2°</td></tr> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± 0.10	± ---	2 PLACES	± 0.15	± ---	1 PLACE	± 0.25	± ---	ANGULAR ± 1/2°			DIMENSION STYLE MM ONLY DRAWN BY: RHODGE DATE: 2007/05/31 CHECKED BY: RHODGE DATE: 2007/11/13 APPROVED BY: JCOMERC I DATE: 2007/11/14 MATERIAL NO. SEE CHART	SCALE 2:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE HIGH DENSITY MEZZININE RECEPTACLE ASSEMBLY SELECTIVELY LOADED MOLEX INCORPORATED SD-46553-001 SHEET NO. 1 OF 3
	mm	INCH																					
4 PLACES	± ---	± ---																					
3 PLACES	± 0.10	± ---																					
2 PLACES	± 0.15	± ---																					
1 PLACE	± 0.25	± ---																					
ANGULAR ± 1/2°																							

