molex
one company > a world of innovation

This document was generated on 03/24/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0467430200

Status: Active

Description: 1.20mm (.047") by 2.00mm (.079") Pitch HD Mezz™ Plug, 65 Circuits, 8.00mm (.314") Unmated Height, 7 Rows, Tin (Sn) Plating

Documents:

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



Series image - Reference only

General

Product Family	PCB Headers
Series	46743
Application	Board-to-Board
Comments	1.20mm (.047") Pitch Pin-to-Pin and 2.00mm (.079") Pitch Row-to-Row
Product Name	HD Mezz™

Physical

Breakaway	No
Circuits (Loaded)	65
Circuits (maximum)	65
Circuits Detail	65
Color - Resin	Black
Durability (mating cycles max)	100
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	Yes
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	7
Orientation	Vertical
PCB Locator	Yes
PCB Retention	Yes
Packaging Type	Tray
Pitch - Mating Interface (in)	0.047 In
Pitch - Mating Interface (mm)	1.20 mm
Pitch - Term. Interface (in)	0.047 In
Pitch - Term. Interface (mm)	1.20 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	.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 Clip
Shrouded	Closed Ends
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
46743Series

Current - Maximum per Contact	2A
Voltage - Maximum	250V AC

Solder Process Data

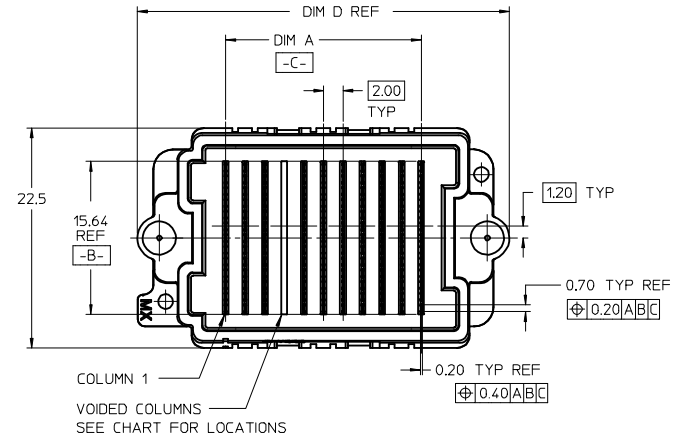
Duration at Max. Process Temperature (seconds)	20
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	2
Process Temperature max. C	260

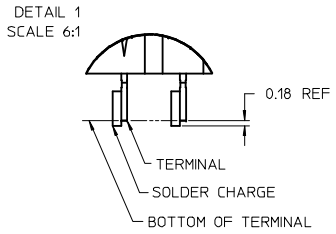
Material Info

Reference - Drawing Numbers

Product Specification	PS-45802-001
Sales Drawing	SD-46743-001

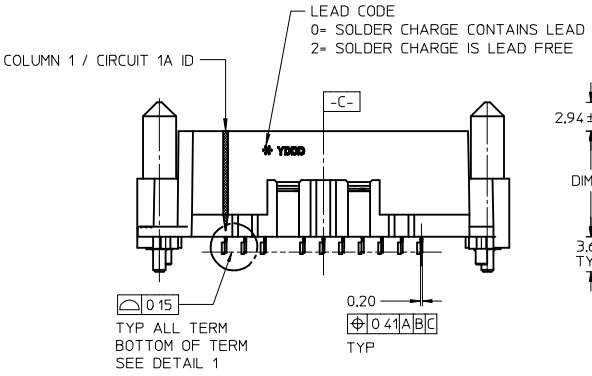
This document was generated on 03/24/2010
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

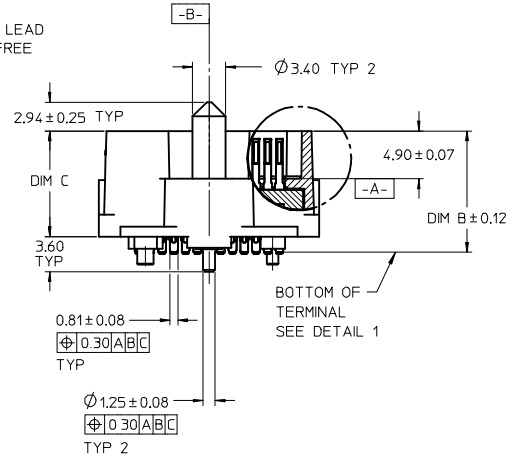


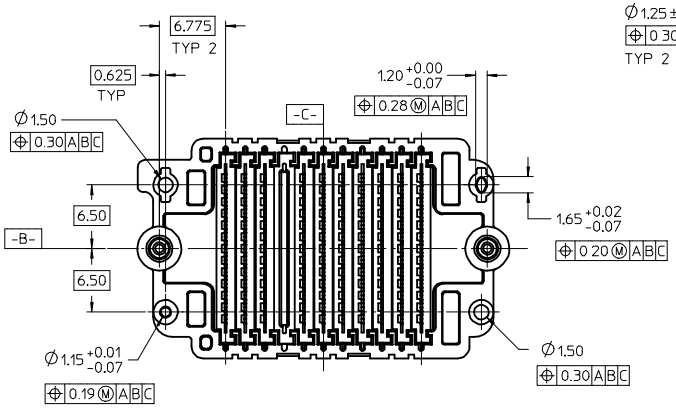


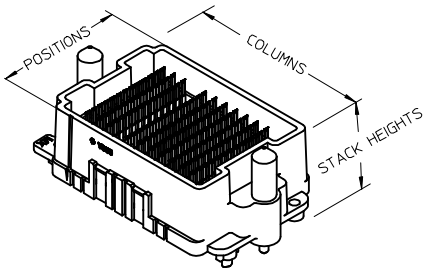
NOTES:

1. HOUSING MATERIAL: LCP, GLASS FILLED, UL94V-0, BLACK
   CONTACT MATERIAL: HIGH PERFORMANCE ALLOY
   GUIDE PIN MATERIAL: STAINLESS STEEL
   SOLDER CHARGE MATERIAL: TIN OR TIN/LEAD SEE CHART
2. CONTACT FINISH: SELECT GOLD: 30 MI MIN IN CONTACT AREA
   SELECT TIN: 100 MI MIN IN TAIL AREA BOTH OVER NICKEL
3. PRODUCT SPECIFICATION: PS-45802-001
4. COSMETIC SPECIFICATION: PS-45499-002 CLASS B
5. PACKAGING SPECIFICATION: PK-45830-001
6. -C- IS THE CENTERLINE OF THE 2 END SLOTS. END SLOT CENTERLINES ARE ESTABLISHED USING 2 MEASUREMENTS FOR EACH SLOT TAKEN 7.28 EITHER SIDE -B-









SEE SHEET 3 FOR COLUMN / POSITION NUMBERING SYSTEM

AVAILABLE STACK HEIGHTS		
STACK HEIGHT	DIM B	DIM C
8mm	10.41	8.80
9mm	11.41	9.80
10mm	12.41	10.80
11mm	13.41	11.80
12mm	14.41	12.80
13mm	15.41	13.80
14mm	16.41	14.80
15mm	17.41	15.80
17mm	19.41	17.80
18mm	20.41	18.80

AVAILABLE COLUMNS		
NO OF ROWS	DIM A	DIM D
7	12.00	30.06
9	16.00	34.06
11	20.00	38.06
13	24.00	42.06
15	28.00	46.06
17	32.00	50.06
19	36.00	54.06
21	40.00	58.06
23	44.00	62.06
25	48.00	66.06
27	52.00	70.06

REV	DESCRIPTION
A	EC NO: UCP2009-0504 2008/09/04 DRWN:KSAMIEC 2008/09/05 CHKD: APPR: JCOMERCI 2008/09/08

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± 0.10	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY | SCALE: 2:1 | DESIGN UNITS: METRIC | THIRD ANGLE PROJECTION

DRAWN BY: RHODGE 2008/08/18
CHECKED BY: RHODGE 2008/08/18
APPROVED BY: JCOMERCI 2008/08/18
MATERIAL NO.: SEE CHART

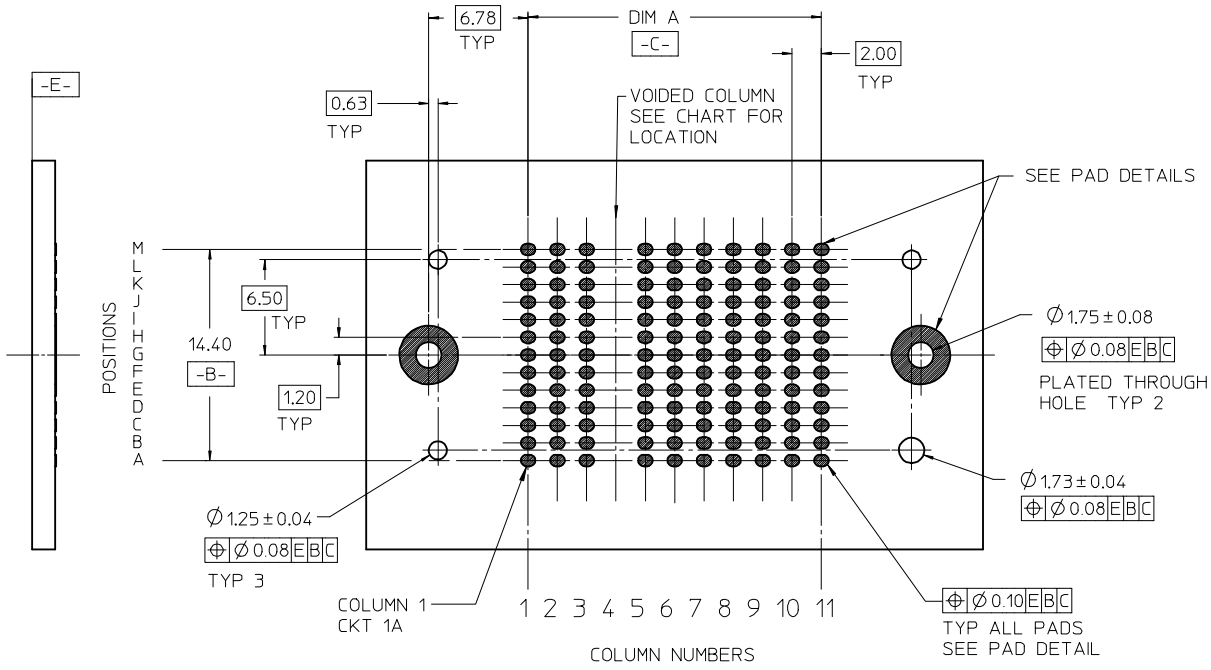
TITLE: HIGH DENSITY MEZZANINE PLUG ASSEMBLY SELECTIVELY LOADED

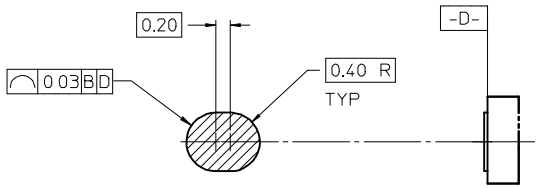
MOLEX INCORPORATED

DOCUMENT NO.: SD-46743-001 | SHEET NO.: 1 OF 3

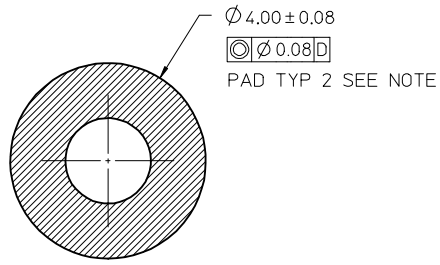
SIZE: B

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



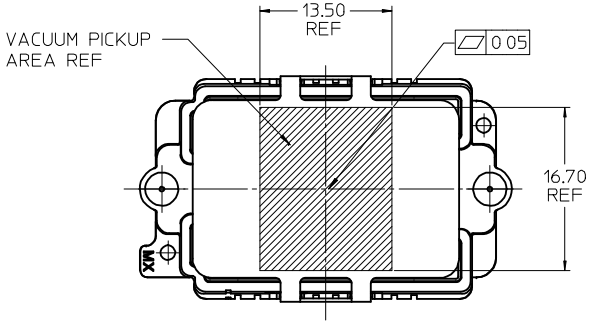


SODER CHAGRE PAD
SCALE 15:1



RECOMMENDED PCB LAYOUT: COMPONENT SIDE
PCB THICKNESS: NA

PCB NOTES:
1. STENCIL TO HAVE OPENINGS FOR THE SOLDER PADS AND THE TWO 4.0 DIA PADS



SEE SHEET 1		
EC NO: UCP2009-0504	DRWN:KSAMIEC	2008/09/04
	CHKD:	2008/09/05
	APPR: JCOMERCI	2008/09/08
REV	A	DESCRIPTION

GENERAL TOLERANCES (UNLESS SPECIFIED)	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± 0.10	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	2:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	RHODGE
DATE	2008/08/18
CHECKED BY	RHODGE
DATE	2008/08/18
APPROVED BY	JCOMERCI
DATE	2008/08/18
MATERIAL NO.	SEE CHART
SIZE	B

TITLE
HIGH DENSITY MEZZANINE PLUG ASSEMBLY SELECTIVELY LOADED

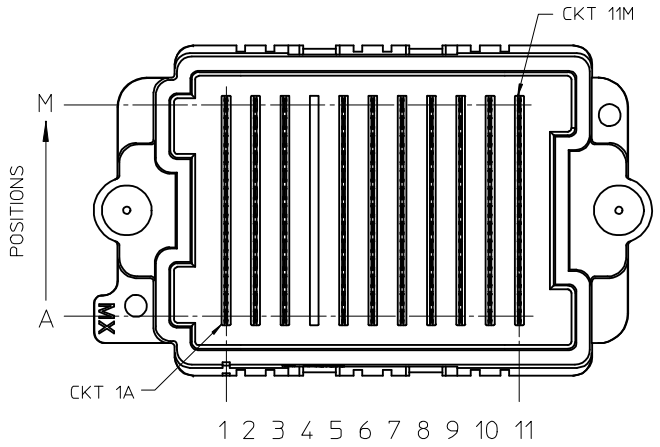
MOLEX INCORPORATED

DOCUMENT NO. SD-46743-001

SHEET NO. 2 OF 3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

MATERIAL NO	STACK HEIGHT	TOTAL COLUMNS	LOADED COLUMNS	AVAILABLE NO OF CKTS	VOIDED COLUMNS	SOLDER MATERIAL	PK-45830-001 STYLE: MM/COLUMN
46743-0200	8mm	7	1,2,4,5,7	65	3,6	TIN	8 MM / 7 COLUMN



SEE SHEET 1
EC NO: UCP2009-0504 2008/09/04
DRWN:KSAMIEC 2008/09/05
CHKD:
APPR: JCOMERCI 2008/09/08
DESCRIPTION
REV
A

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± 0.10	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: RHODGE DATE: 2008/08/18
CHECKED BY: RHODGE DATE: 2008/08/18
APPROVED BY: JCOMERCI DATE: 2008/08/18

TITLE: HIGH DENSITY MEZZANINE PLUG ASSEMBLY SELECTIVELY LOADED

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-46743-001
SHEET NO.: 3 OF 3

SIZE B

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION