

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

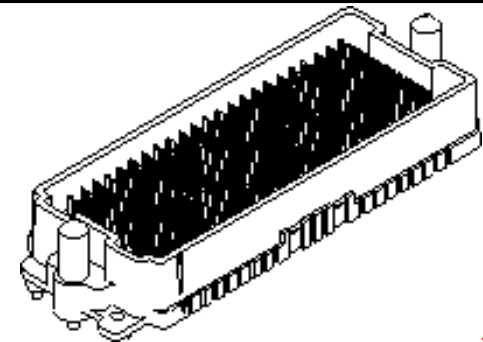
0458301211

Status:

Active

Description:

1.20mm (.047") by 2.00mm (.079") Pitch HD Mezz™ Plug, 143 Circuits, 18.00mm (.709") Unmated Height, 11 Rows, Tin (Sn) Plating



Series

image - Reference only

Documents:

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

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	45830
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)	143
Circuits (maximum)	143
Circuits Detail	143
Color - Resin	Black
Durability (mating cycles max)	100
First Mate / Last Break	No
Flammability	94V-0
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
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)	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 Clip
Shrouded	Closed Ends
Stackable	No

EU RoHS

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

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
45830Series

Mates With
45802 HD Mezz™ Receptacle

Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Surface Mount

Electrical

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

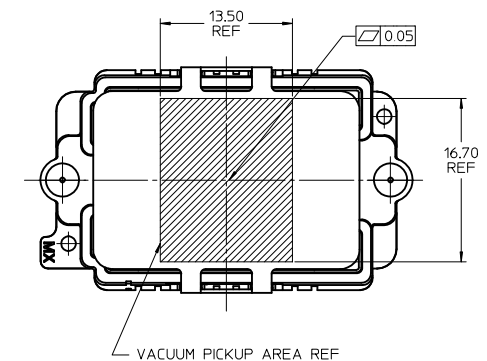
Reference - Drawing Numbers

Product Specification	PS-45802-001
Sales Drawing	SD-45830-001

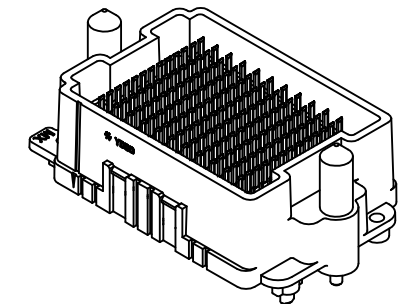
This document was generated on 03/25/2010

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		10		9		8		7		6		5		4									
F	TIN / LEAD PARTS LEAD CODE = "0"	STACK HEIGHT:		8mm		9mm		10mm		11mm		12mm		13mm		14mm		15mm		17mm		18mm	
		DIM B		10.41		11.41		12.41		13.41		14.41		15.41		16.41		17.41		19.41		20.41	
		DIM C		8.80		9.80		10.80		11.80		12.80		13.80		14.80		15.80		17.80		18.80	
		ROWS	DIM A	DIM D	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO
		7	12.00	30.06	45830-0007	45830-3007	45830-2007	45830-8007	45830-4007	45830-9007	45830-6007	45830-7007	45830-5007	45830-1007									
		9	16.00	34.06	45830-0009	45830-3009	45830-2009	45830-8009	45830-4009	45830-9009	45830-6009	45830-7009	45830-5009	45830-1009									
		11	20.00	38.06	45830-0011	45830-3011	45830-2011	45830-8011	45830-4011	45830-9011	45830-6011	45830-7011	45830-5011	45830-1111									
		13	24.00	42.06	45830-0013	45830-3013	45830-2013	45830-8013	45830-4013	45830-9013	45830-6013	45830-7013	45830-5013	45830-1013									
		15	28.00	46.06	45830-0015	45830-3015	45830-2015	45830-8015	45830-4015	45830-9015	45830-6015	45830-7015	45830-5015	45830-1015									
		17	32.00	50.06	45830-0017	45830-3017	45830-2017	45830-8017	45830-4017	45830-9017	45830-6017	45830-7017	45830-5017	45830-1017									
		19	36.00	54.06	45830-0019	45830-3019	45830-2019	45830-8019	45830-4019	45830-9019	45830-6019	45830-7019	45830-5019	45830-1019									
		21	40.00	58.06	45830-0021	45830-3021	45830-2021	45830-8021	45830-4021	45830-9021	45830-6021	45830-7021	45830-5021	45830-1021									
		23	44.00	62.06	45830-0023	45830-3023	45830-2023	45830-8023	45830-4023	45830-9023	45830-6023	45830-7023	45830-5023	45830-1023									
25	48.00	66.06	45830-0025	45830-3025	45830-2025	45830-8025	45830-4025	45830-9025	45830-6025	45830-7025	45830-5025	45830-1025											
27	52.00	70.06	45830-0027	45830-3027	45830-2027	45830-8027	45830-4027	45830-9027	45830-6027	45830-7027	45830-5027	45830-1027											
E																							



D	TIN PARTS LEAD CODE = "2"														STACK HEIGHT:		8mm	9mm	10mm	11mm	12mm	13mm	14mm	15mm	17mm	18mm
															DIM B		10.41	11.41	12.41	13.41	14.41	15.41	16.41	17.41	19.41	20.41
															DIM C		8.80	9.80	10.80	11.80	12.80	13.80	14.80	15.80	17.80	18.80
															ROWS	DIM A	DIM D	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO
C	7	12.00	30.06	45830-0207	45830-3207	45830-2207	45830-8207	45830-4207	45830-9207	45830-6207	45830-7207	45830-5207	45830-1207													
	9	16.00	34.06	45830-0209	45830-3209	45830-2209	45830-8209	45830-4209	45830-9209	45830-6209	45830-7209	45830-5209	45830-1209													
	11	20.00	38.06	45830-0211	45830-3211	45830-2211	45830-8211	45830-4211	45830-9211	45830-6211	45830-7211	45830-5211	45830-1211													
	13	24.00	42.06	45830-0213	45830-3213	45830-2213	45830-8213	45830-4213	45830-9213	45830-6213	45830-7213	45830-5213	45830-1213													
	15	28.00	46.06	45830-0215	45830-3215	45830-2215	45830-8215	45830-4215	45830-9215	45830-6215	45830-7215	45830-5215	45830-1215													
	17	32.00	50.06	45830-0217	45830-3217	45830-2217	45830-8217	45830-4217	45830-9217	45830-6217	45830-7217	45830-5217	45830-1217													
	19	36.00	54.06	45830-0219	45830-3219	45830-2219	45830-8219	45830-4219	45830-9219	45830-6219	45830-7219	45830-5219	45830-1219													
	21	40.00	58.06	45830-0221	45830-3221	45830-2221	45830-8221	45830-4221	45830-9221	45830-6221	45830-7221	45830-5221	45830-1221													
	23	44.00	62.06	45830-0223	45830-3223	45830-2223	45830-8223	45830-4223	45830-9223	45830-6223	45830-7223	45830-5223	45830-1223													
	25	48.00	66.06	45830-0225	45830-3225	45830-2225	45830-8225	45830-4225	45830-9225	45830-6225	45830-7225	45830-5225	45830-1225													
	27	52.00	70.06	45830-0227	45830-3227	45830-2227	45830-8227	45830-4227	45830-9227	45830-6227	45830-7227	45830-5227	45830-1227													



SEE SHEET 1

EC NO: UCP2008-0213

CHKD: JCOMERC I

APPR: JCOMERC I

2007/10/30

2007/10/30

2007/10/30

DESCRIPTION

REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

mm

INCH

4 PLACES ± --- ± ---

3 PLACES ± 0.05 ± ---

2 PLACES ± 0.15 ± ---

1 PLACE ± 0.3 ± ---

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE

MM ONLY

DRAWN BY PELOZA

DATE 05/02/04

CHECKED BY PELOZA

DATE 05/02/07

APPROVED BY COMERC I

DATE 05/02/07

MATERIAL NO.

SEE CHART

SIZE B

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SCALE

2:1

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

TITLE

HDMEZZ PLUG ASSEMBLY

MOLEX MOLEX INCORPORATED

DOCUMENT NO.

SD-45830-001

SHEET NO.

2 OF 2