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Part Number: [0458302223](#)
Status: **Active**
Description: 1.20mm (.047") by 2.00mm (.079") Pitch HD Mezz™ Plug, 299 Circuits, 10.00mm (.394") Unmated Height, 23 Rows, Tin (Sn) Plating

Documents:

[3D Model](#) [Product Specification PS-45802-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [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) 299
Circuits (maximum) 299
Circuits Detail 299
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 23
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

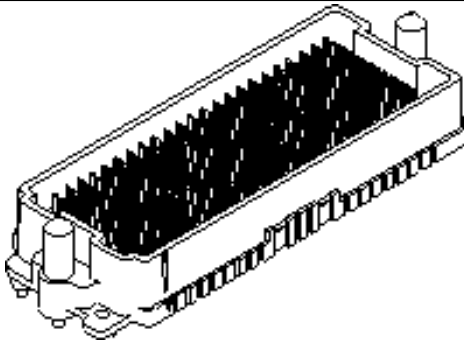


image - Reference only

Series

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

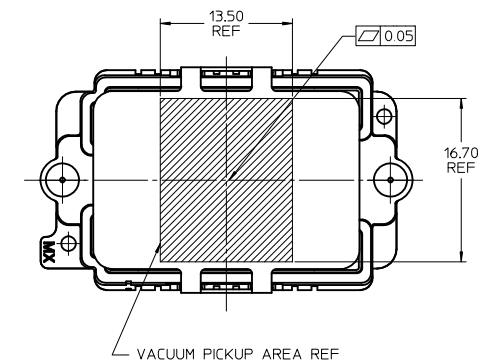
Reference - Drawing Numbers

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

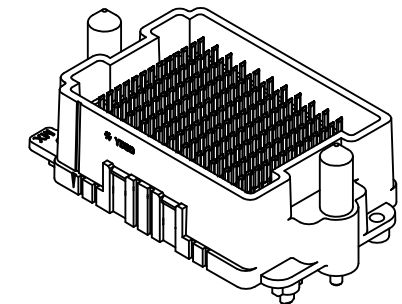
This document was generated on 04/12/2010

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		10		9		8		7		6		5		4												
F			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			
	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	
C	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	
	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

DATE

PELOZA

DATE 05/02/07

APPROVED BY

DATE 05/02/07

COMERC I

MATERIAL NO.

SEE CHART

SIZE B

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SCALE

2:1

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

TITLE

HDMEZZ PLUG ASSEMBLY

MOLEX INCORPORATED

DOCUMENT NO.

SD-45830-001

SHEET NO.

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