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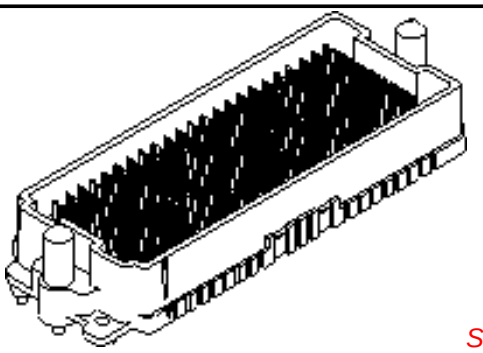
This document was generated on 03/25/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0458300215

Status: Active

Description: 1.20mm (.047") by 2.00mm (.079") Pitch HD Mezz™ Plug, 195 Circuits, 8.00mm (.315") Unmated Height, 15 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)	195
Circuits (maximum)	195
Circuits Detail	195
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	15
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
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
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

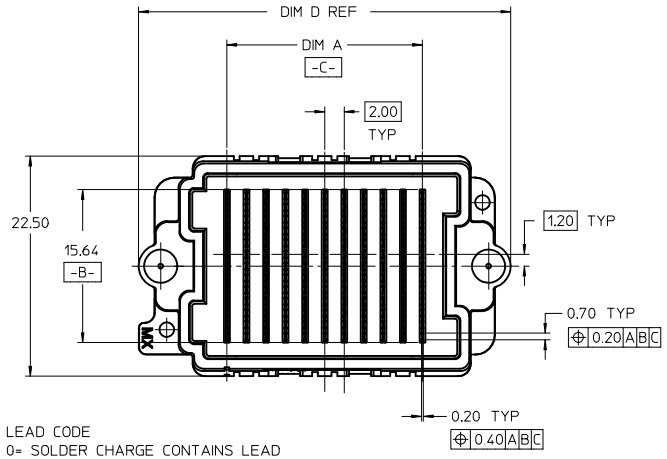
Duration at Max. Process Temperature (seconds)	20
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	2
Process Temperature max. C	260

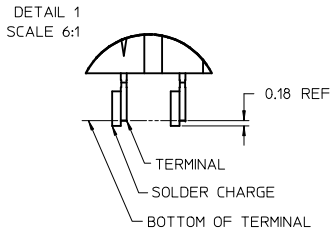
Material Info

Reference - Drawing Numbers

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

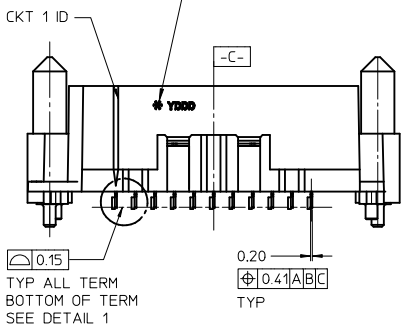
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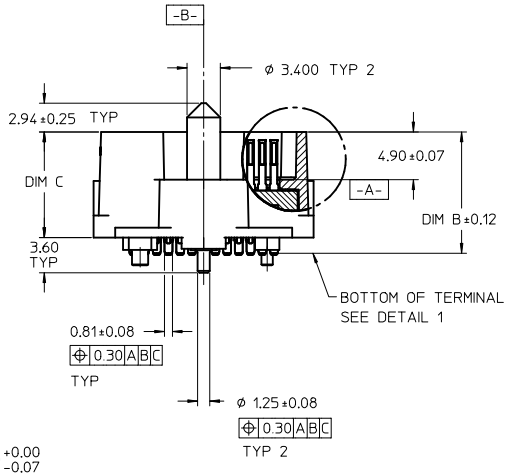


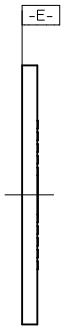


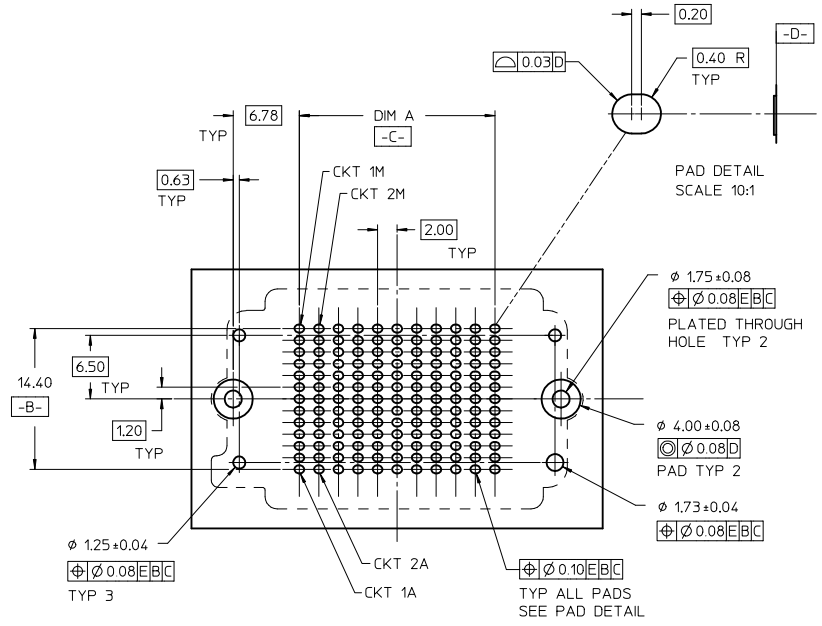
NOTES:
1. HOUSING MATERIAL: LCP, GLASS FILLED, UL94V-0, BLACK
   CONTACT MATERIAL: HIGH PERFORMANCE ALLOY
   GUIDE PIN MATERIAL: STAINLESS STEEL
   SOLDER CHARGE MATERIAL: TIN OR TIN/LEAD SEE CHART
2. CONTACT FINISH: SELECT GOLD: 30 MI MIN IN CONTACT AREA
   SELECT TIN: 100 MI MIN IN TAIL AREA BOTH OVER 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-

LEAD CODE
0= SOLDER CHARGE CONTAINS LEAD
2= SOLDER CHARGE IS LEAD FREE

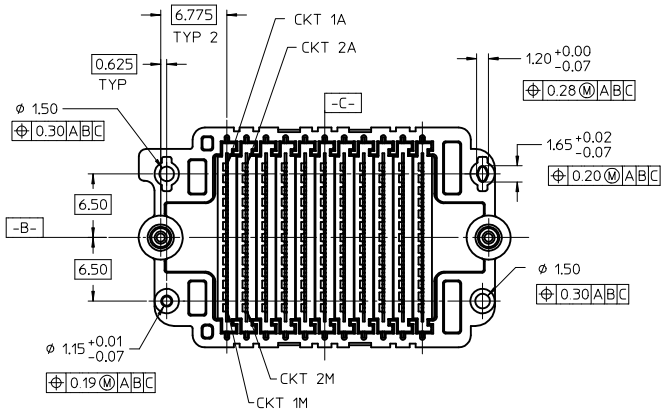








RECOMMENDED PCB LAYOUT: COMPONENT SIDE
PCB THICKNESS: NA



REV	DESCRIPTION		
C	REV PER PART	EC NO: UCP2008-0213	2007/10/30
		DRWN:KSAMIEC	2007/10/30
		CHKD:	
		APPR: JCOMERCI	2007/10/30

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± 0.05	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± 0.3	± ---
ANGULAR ±1/2°		

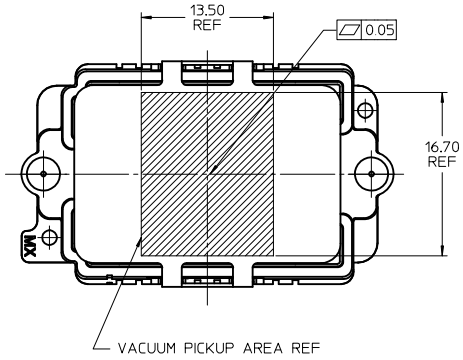
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	2:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	PELOZA
DATE	05/02/04
CHECKED BY	PELOZA
DATE	05/02/07
APPROVED BY	COMERCI
DATE	05/02/07
MATERIAL NO.	SEE CHART
TITLE	HDMEZZ PLUG ASSEMBLY
	MOLEX INCORPORATED
DOCUMENT NO.	SD-45830-001
SHEET NO.	1 OF 2
SIZE	B

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

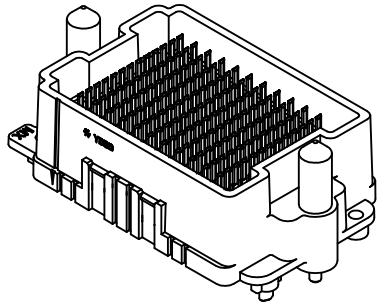
TIN / LEAD PARTS
LEAD CODE = "0"

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
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



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	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 2007/10/30
DRWN:KSAMIEC 2007/10/30
CHKD:
APPR: JCOMERCI 2007/10/30
DESCRIPTION
REV
C

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
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: PELOZA DATE: 05/02/04
CHECKED BY: PELOZA DATE: 05/02/07
APPROVED BY: COMERCI DATE: 05/02/07
MATERIAL NO.: SEE CHART

TITLE: HDMEZZ PLUG ASSEMBLY

MOLEX INCORPORATED

DOCUMENT NO.: SD-45830-001
SHEET NO.: 2 OF 2

SIZE: B

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