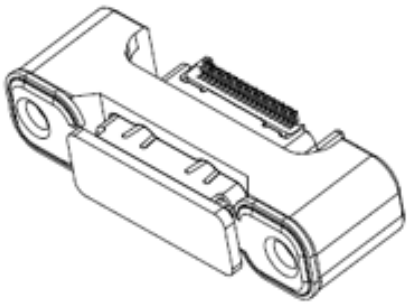
This document was generated on 05/28/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0483077022
Status: Active
Overview: high_definition_multimedia_interface_hdmi
Description: 0.50mm (.020") Pitch HDMI* Receptacle, Vertical, SMT, with support, 0.38µm (15µ") Gold (Au) Plating, Pick-and-Place Cover, 19 Circuits, Tape on Reel Packaging, Lead free



Series image - Reference only

Documents:

- 3D Model
- Drawing (PDF)
- Product Specification PS-48307-901 (PDF)
- RoHS Certificate of Compliance (PDF)

General

Product Family	I/O Connectors
Series	48307
Application	Wire-to-Board
Comments	With Support
Component Type	Receptacle
Overview	high_definition_multimedia_interface_hdmi
Product Name	HDMI
Type	N/A

Physical

Boot Color	N/A
Circuits (Loaded)	19
Circuits (maximum)	19
Color - Resin	Black
Gender	Male
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Vertical
PCB Locator	Yes
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Panel Mount	With Flange
Pitch - Mating Interface (in)	0.020 In
Pitch - Mating Interface (mm)	0.50 mm
Pitch - Term. Interface (in)	0.020 In
Pitch - Term. Interface (mm)	0.50 mm
Plating min: Mating (µin)	15
Plating min: Mating (µm)	0.38
Plating min: Termination (µin)	39
Plating min: Termination (µm)	1
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	1
Temperature Range - Operating	-20°C to +85°C
Termination Interface: Style	Surface Mount
Waterproof / Dustproof	No
Wire Size AWG	N/A

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
48307Series

Current - Maximum per Contact	0.5A
Voltage - Maximum	40V AC

Solder Process Data

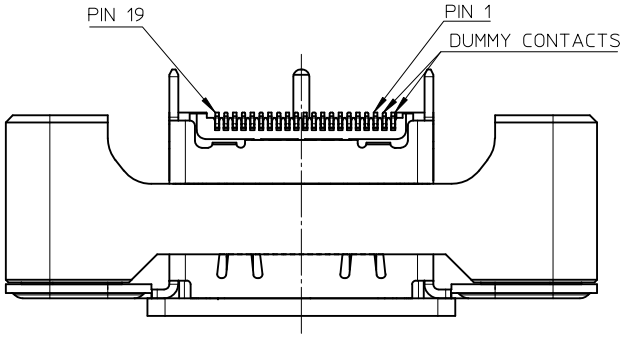
Duration at Max. Process Temperature (seconds)	3
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

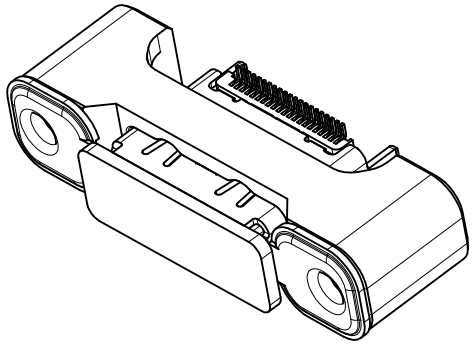
Material Info

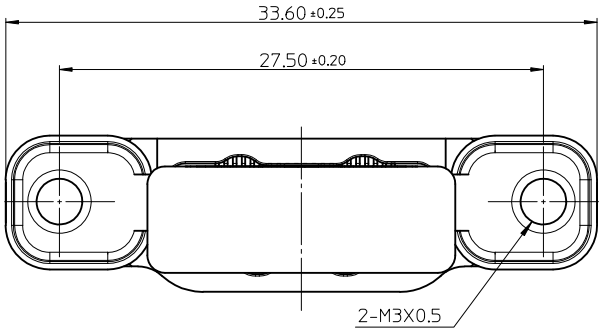
Reference - Drawing Numbers

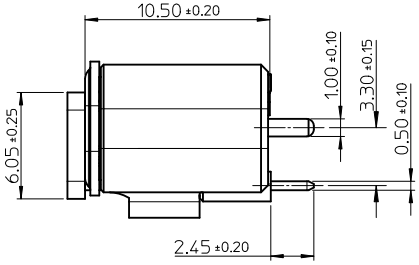
Packaging Specification	PK-48307-722
Product Specification	PS-48307-901
Sales Drawing	SD-48307-722

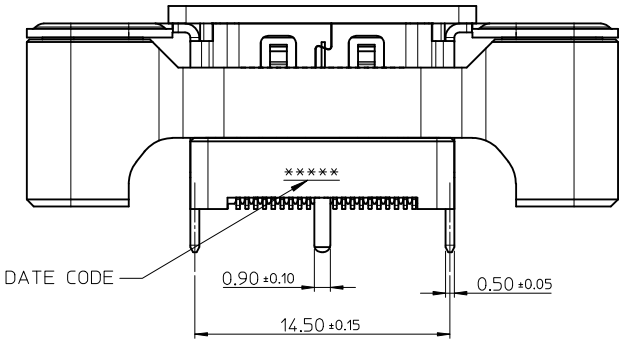
* High Definition Multimedia Interface and HDMI are trademarks of HDMI Licensing, LLC.











NOTES:

1. MATERIAL:
   HOUSING: GLASS FILLED HEAT RESISTED RESIN, UL94V-0.
   TERMINAL: COPPER ALLOY.
   SHELL: COPPER ALLOY.
2. PLATING:
   TERMINAL:
   CONTACT AREA:
   (a)GOLD FLASH PLATING,
   (b)0.38 MICROMETER MIN.GOLD PLATING,
   (c)0.76 MICROMETER MIN.GOLD PLATING,
   SOLDER AREA: 1 MICROMETER MIN. MATTE TIN PLATING,
   UNDERPLATE: 1 MICROMETER MIN. NICKEL PLATING OVERALL.
   SHELL:
   SOLDER AREA: 1 MICROMETER MIN. MATTE TIN PLATING,
   UNDERPLATE: 1 MICROMETER MIN. NICKEL PLATING OVERALL.
3. PRODUCT SPECIFICATION REFER TO PS-48307-901.
4. PACKAGE REFER TO PK-48307-722.
5. COPLANARITY OF SOLDER TAIL TO BE 0.1 MAX..
6. THE PART CAN COMPLIANT TO ROHS DIRECTIVE 2002/95/EC AND ELV DIRECTIVE 2000/53/EC.

ITEM NO	PART NO	PLATING SOLUTION
3	48307-7032	(c)
2	48307-7022	(b)
1	48307-7012	(a)

REVISED
EC NO: SH2010-0272 2010/01/19
DRWN:KCWEI 2010/01/20
CH'KD:RZHANG
APPR:XJSONG 2010/01/25
DESCRIPTION
REV D

QUALITY SYMBOLS
▼=0
▽(C)=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR ±---°		

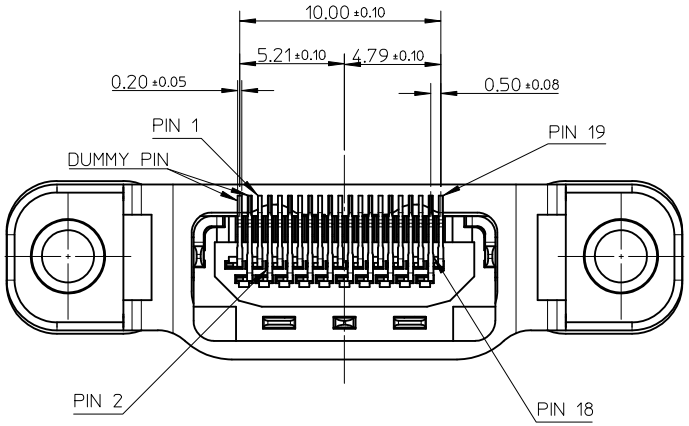
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

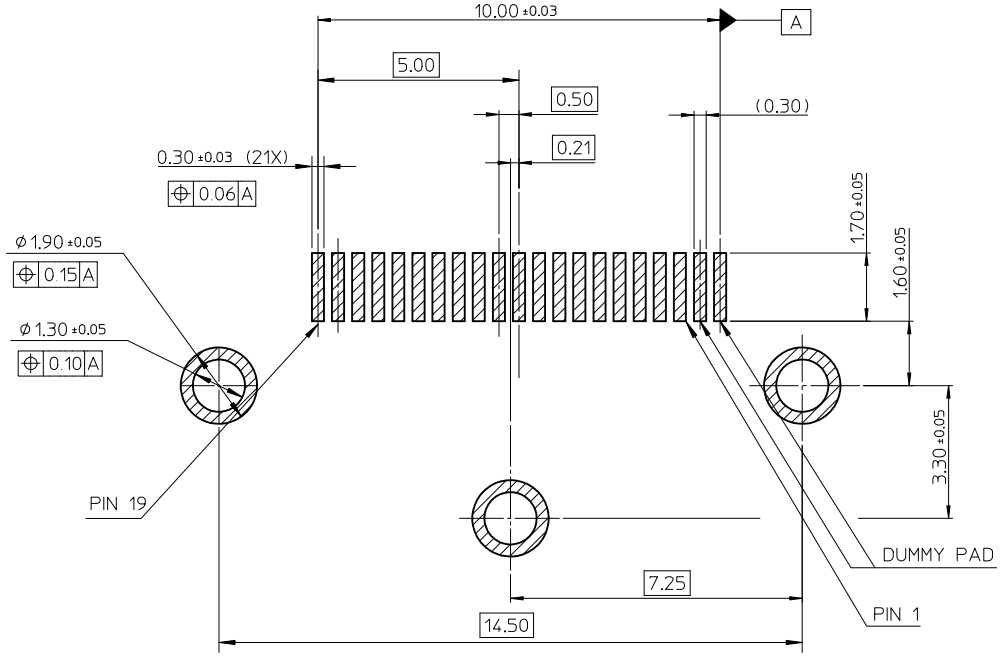
DIMENSION STYLE: MM ONLY
SCALE: 3.5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: KLAUS WEI DATE: 2008/10/23
CHECKED BY: ROST ZHANG DATE: 2008/10/23
APPROVED BY: HARVEY WANG DATE: 2008/10/23

TITLE: SALES DRAWING VERTICAL HDMI RECEPT. WITH SUPPORT
MOLEX INCORPORATED
MATERIAL NO.: 48307-70*2
DOCUMENT NO.: SD-48307-722
SHEET NO.: 1 OF 2
SIZE: A3

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RECOMMENDED PCB LAYOUT
(PCB THICKNESS IS 1.6mm)

REVISED
EC NO: SH2010-0272 2010/01/19
DRWN:KCWEI 2010/01/20
CH'KD:RZHANG
APPR:XJSONG 2010/01/25
DESCRIPTION
REV D

QUALITY SYMBOLS
▼=0
Ⓒ▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: KLAUS WEI DATE: 2008/10/23
CHECKED BY: ROST ZHANG DATE: 2008/10/23
APPROVED BY: HARVEY WANG DATE: 2008/10/23

TITLE: SALES DRAWING VERTICAL HDMI RECEPT. WITH SUPPORT

MOLEX INCORPORATED

MATERIAL NO.: SEE SHEET 1
DOCUMENT NO.: SD-48307-722
SHEET NO.: 2 OF 2
SIZE: A3

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