This document was generated on 05/19/2010

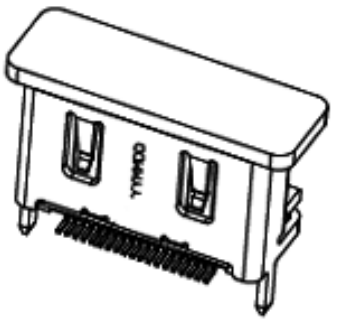
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0476591000

Status: Active

Overview: high_definition_multimedia_interface_hdmi

Description: 0.50mm (.020") Pitch HDMI* Receptacle, Vertical, Mounted Height 8.5mm (.335"), SMT, 0.76µm (30µ") Gold (Au) Plating, with Cap, 19 Circuits, Tape on Reel Packaging, Lead free



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-47152-001 (PDF)
RoHS Certificate of Compliance (PDF)

General

Product Family	I/O Connectors
Series	47659
Application	Wire-to-Board
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	Without 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)	30
Plating min: Mating (µm)	0.76
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

Current - Maximum per Contact	0.5A

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
47659Series

Shielded	Yes
Voltage - Maximum	40V DC

Material Info

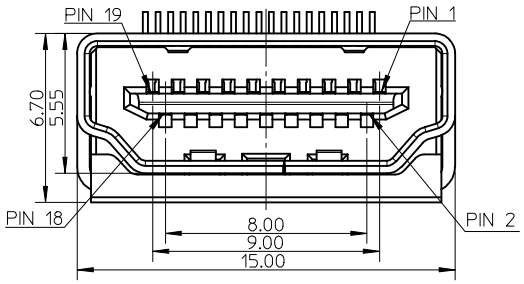
Reference - Drawing Numbers

Packaging Specification	PK-47659-001
Product Specification	PS-47152-001
Sales Drawing	SD-47659-100

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

This document was generated on 05/19/2010

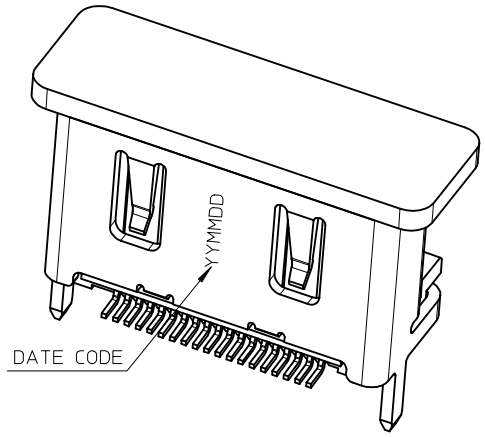
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

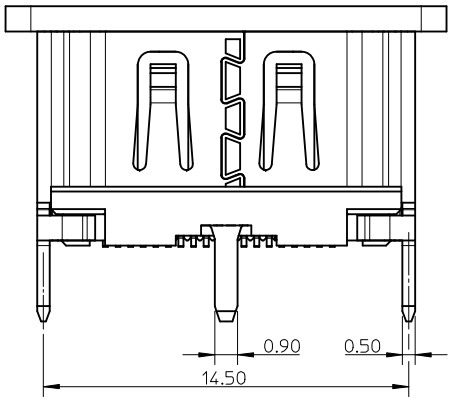


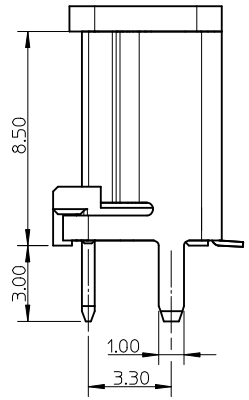
TOP VIEW WITHOUT CAP

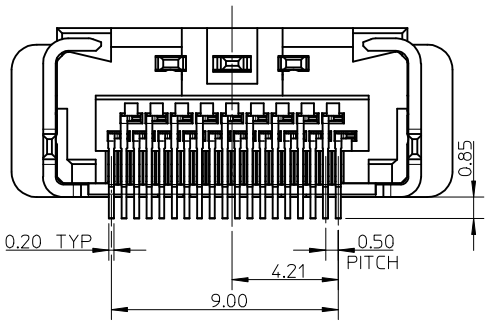
NOTES:

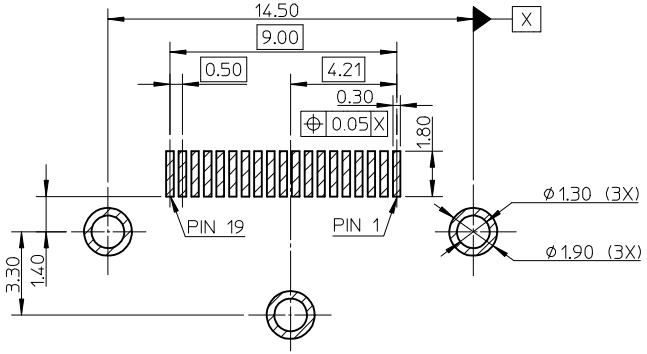
1. MATERIAL:
   HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, COLOR: BLACK,
   SHELL: COPPER ALLOY,
   TERMINAL: COPPER ALLOY.
2. PLATING:
   TERMINAL:
   CONTACT AREA: SEE TABLE,
   SOLDER AREA: 1 MICROMETER MIN. TIN-BISMUTH ALLOY PLATED,
   UNDER PLATE: 1.27 MICROMETER MIN. NICKEL.
   SHELL: 1 MICROMETER MIN. SOLDERABLE NICKEL PLATING OVERALL.
3. COPLANARITY: 0.10mm MAX.
4. PRODUCT SPECIFICATION REFER TO PS-47152-001.
5. PACKAGE SPECIFICATION REFER TO PK-47659-001.
6. PRODUCT COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV DIRECTIVE 2000/53/EC.











RECOMMENDED PCB LAYOUT
CONNECTOR SIDE
THICKNESS=1.60mm
(GENERAL TOLERANCE: ±0.05)

P/N	CONTACT AREA PLATING
47659-1002	GOLD FLASH
47659-1001	0.38 MICROMETER MIN GOLD PLATING
47659-1000	0.76 MICROMETER MIN GOLD PLATING

NEW RELEASE
EC NO: SH2009-0633 2009/04/16
DRWN:XOZHANG 2009/04/17
CH'KD:XJSONG 2009/04/27
APPR:HWWANG
DESCRIPTION
A
REV

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.20	± ---
1 PLACE	± 0.30	± ---
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: CWTANG DATE: 2008/09/03
CHECKED BY: XJSONG DATE: 2008/09/03
APPROVED BY: HARVEY DATE: 2008/09/03
MATERIAL NO.: SEE TABLE

TITLE: HDMI RECEPTACLE VERTICAL SMT TYPE WITH HEIGHT8.5

MOLEX INCORPORATED

DOCUMENT NO.: SD-47659-100
SHEET NO.: 1 OF 1
SIZE: A3

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