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Part Number:

0749603048

Status:

Active

Overview:

tdp_triad_differential_pair

Description:

1.27mm (.050") Pitch TDP® (Triad® Differential Pair) Receptacle, Right Angle, Surface Mount, with PCB Press-Fit Pegs, 48 Circuits

Documents:	
3D Model	Product Specification PS-74960-000 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

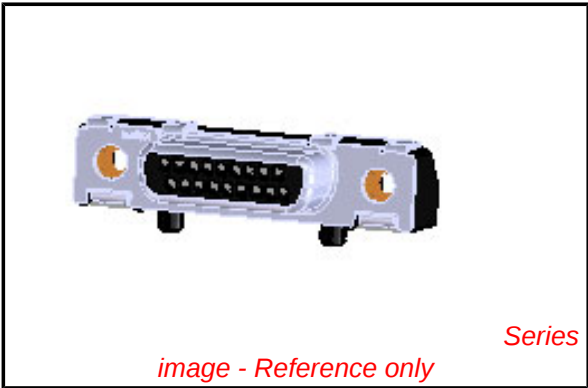
Product Family	I/O Connectors
Series	74960
Application	Wire-to-Board
Component Type	Receptacle
MolexKits	Yes
Overview	tdp_triad_differential_pair
Product Name	TDP®
Type	N/A

Physical

Circuits (Loaded)	48
Circuits (maximum)	48
Color - Resin	Black
Flammability	94V-0
Lock to Mating Part	Yes
Material - Metal	Beryllium Copper
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Panel Mount	Yes
Pitch - Mating Interface (in)	0.050 In
Pitch - Mating Interface (mm)	1.27 mm
Plating min: Mating (µin)	15
Plating min: Mating (µm)	0.38
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.5
Polarized to Mating Part	Yes
Surface Mount Compatible (SMC)	N/A
Temperature Range - Operating	-20°C to +85°C
Termination Interface: Style	Surface Mount
Wire Size AWG	N/A

Electrical

Current - Maximum per Contact	1.5A
Grounding to Panel	Screw Hole
Shielded	Yes
Voltage - Maximum	40V



EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Halogen-Free

China RoHS



Pb

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

74960Series

Mates With

75000 Plug

Use With

74962 Jack Posts

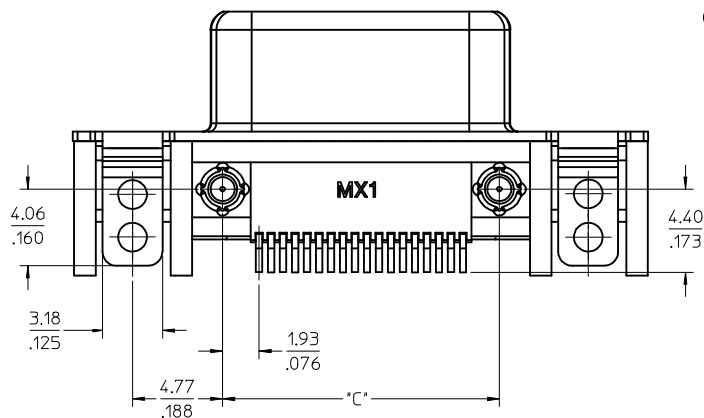
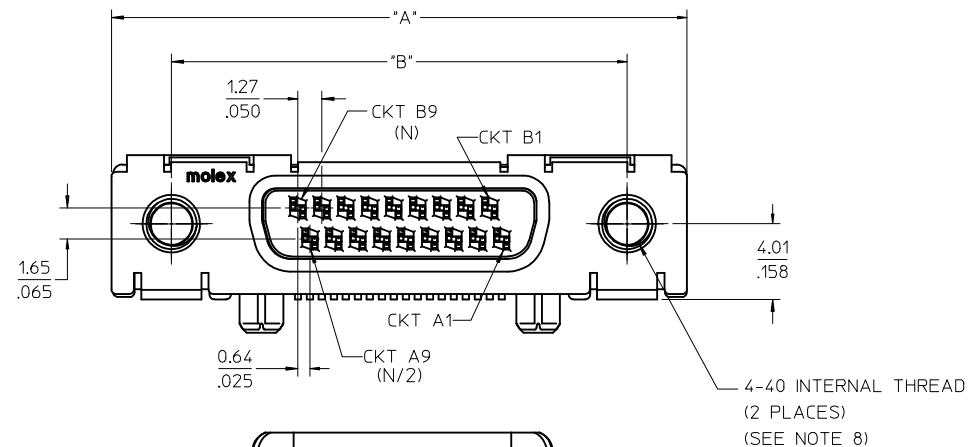
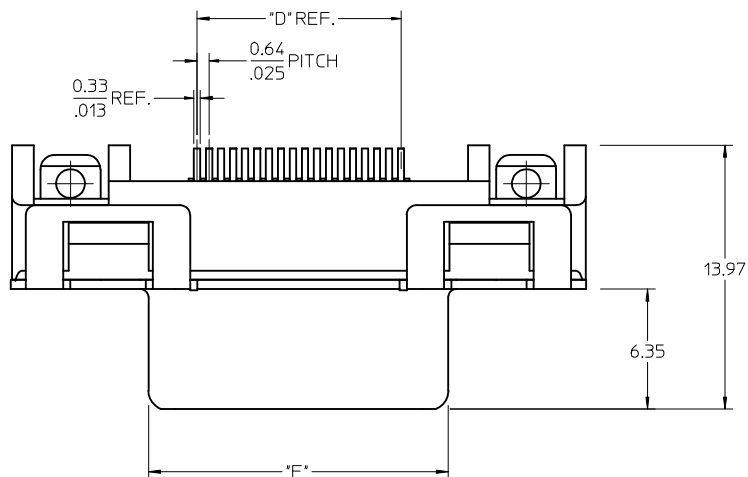
Material Info

Reference - Drawing Numbers

Application Specification	AS-74960-100
Product Specification	PS-74960-000
Sales Drawing	SD-74960-010

This document was generated on 06/07/2010

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NOTES:

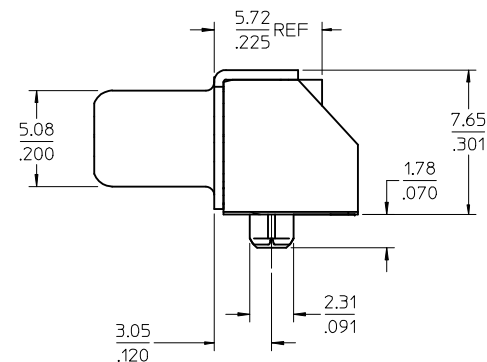
1. MATERIALS:

SHIELD - DEEP DRAWN STEEL
HOUSING - GLASS FILLED POLYMER, BLACK, UL 94V-0
CONTACTS - COPPER ALLOY

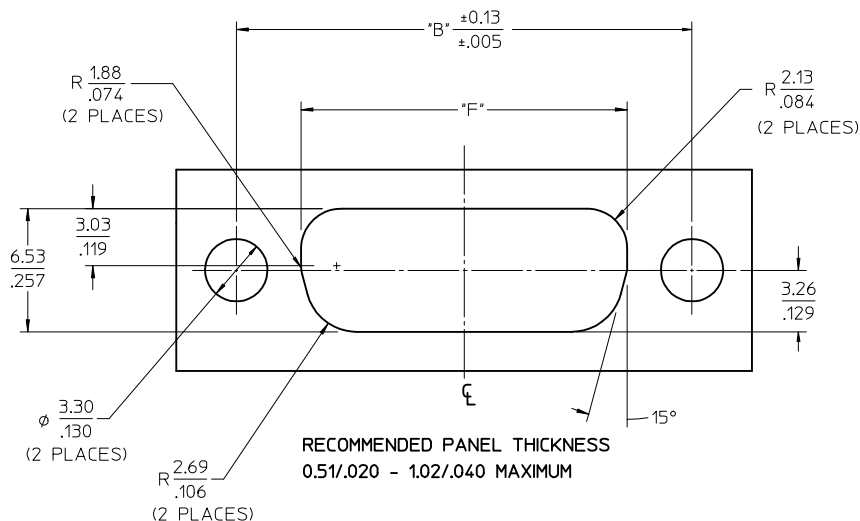
2. PLATING:

TERMINALS - SELECTIVE GOLD (Au) THICKNESS IN CONTACT AREA,
0.38 MICROMETERS/15 MICROINCHES MINIMUM;
SELECTIVE MATTE TIN (Sn) THICKNESS IN PC TAIL AREA,
2.54 MICROMETERS/100 MICROINCHES MINIMUM,
OVER NICKEL (Ni) UNDERPLATE OVERALL.
SHIELD - 2.54 MICROMETERS/100 MICROINCHES MINIMUM MATTE TIN (Sn)
OVER 1.27 MICROMETERS/50 MICROINCHES MINIMUM NICKEL (Ni)
OVER COPPER (Cu) UNDERPLATE OVERALL.

- PC SMT TAILS AND 2 GROUND TABS ARE TO BE COPLANAR WITHIN 0.127/.005.
- PARTS TO BE PACKAGED IN TAPE AND REEL. SEE CHART ON SHEET 2 FOR PACKAGING SPECIFICATION.
- REFER TO SHEET 2 FOR RECOMMENDED PCB LAYOUT AND PANEL CUT-OUT.
- RECOMMENDED JACK POST MOUNTING HARDWARE (QTY 2 PER ASSEMBLY), SEE CHART FOR ITEM NUMBERS AND SALES DRAWING SD-74962-000.
- PRODUCT CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-74960-000.
- FOR TDP RECEPTACLE WITH M3 INTERNAL THREAD OPTION CONTACT PRODUCT MARKETING.



REVISED PIN OUT EC NO: UCP2009-3097 DRWN: JJANTELEZ 6/22/09 CHKD: 2009/08/14 APPR: MBANAKIS 2009/08/14	DESCRIPTION	QUALITY SYMBOLS ▽ = 0 ▽C = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			SCALE 5:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		REVISE ON CAD ONLY		
			mm		INCH	DIMENSION STYLE		TITLE SALES DRAWING - PCIE/TDP SMT RECEPTACLE ASSEMBLY				
						MM/IN						
			4 PLACES ± ---		± ---	DRAWN BY		DATE	MOLEX MOLEX INCORPORATED			
			3 PLACES ± ---		± .010	JJANTELEZ		07/15/2008				
2 PLACES ± 0.25		± .015	CHECKED BY		DATE	MATERIAL NO.		DOCUMENT NO.	SHEET NO.			
1 PLACE ± 0.38		± ---	TMCCLELL		07/15/2008	SEE CHART		SD-74960-010	1 OF 2			
ANGULAR ± 1/2°		APPROVED BY		DATE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
		BANAKIS		07/15/2008								
DRAFT WHERE APPLICABLE		MUST REMAIN WITHIN DIMENSIONS										



1. ALL DIMENSIONS ON THIS SHEET ARE $\pm 0.13/005$ TOLERANCE
UNLESS OTHERWISE SPECIFIED.

2. DIMENSIONS SHOWN ABOUT A CENTERLINE ARE SYMMETRICAL ABOUT
THAT CENTERLINE WITHIN HALF THE SPECIFIED TOLERANCE.

RECOMMENDED JACKPOST INTERNAL THREAD OPTIONS (SEE NOTE 6 ON SHEET 1)	
4-40	M3
74962-0001	74962-0002

A technical drawing of a hexagonal nut. Two leader lines point to specific features: one points to the external threads on the left, labeled '4-40 THREAD', and the other points to the internal threads on the right, labeled 'INTERNAL THREAD'.

tb_frame_C-B1
rev. B1 2000/08/01

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- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: org@lifeelectronics.ru

www.lifeelectronics.ru