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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

Drawing (PDF)

Product Specification PS-74960-000 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

UL

LR19980

E29179

General

Product Family

Series

Application

Component Type

MolexKits

Overview

Product Name

Type

I/O Connectors

74960

Wire-to-Board

Receptacle

Yes

tdp_triad_differential_pair

TDP®

N/A

Physical

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Flammability

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Orientation

PCB Locator

PCB Retention

Packaging Type

Panel Mount

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to Mating Part

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

Wire Size AWG

48

48

Black

94V-0

Yes

Beryllium Copper

Gold

Tin

High Temperature Thermoplastic

Right Angle

Yes

Yes

Embossed Tape on Reel

Yes

0.050 In

1.27 mm

15

0.38

100

2.5

Yes

N/A

-20°C to +85°C

Surface Mount

N/A

Electrical

Current - Maximum per Contact

Grounding to Panel

Shielded

Voltage - Maximum

1.5A

Screw Hole

Yes

40V



image - Reference only

Series

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Halogen-Free

China RoHS

50

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

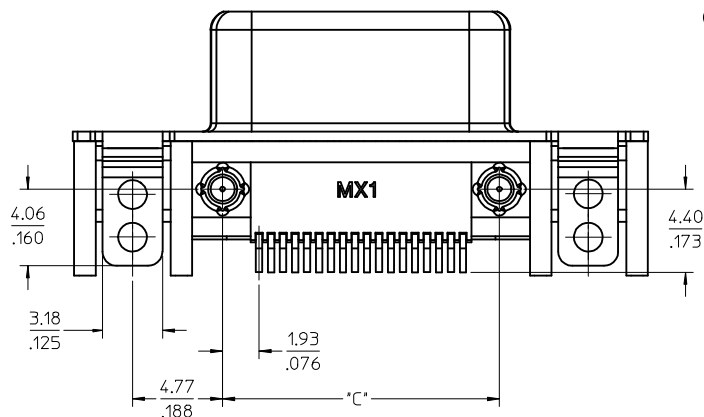
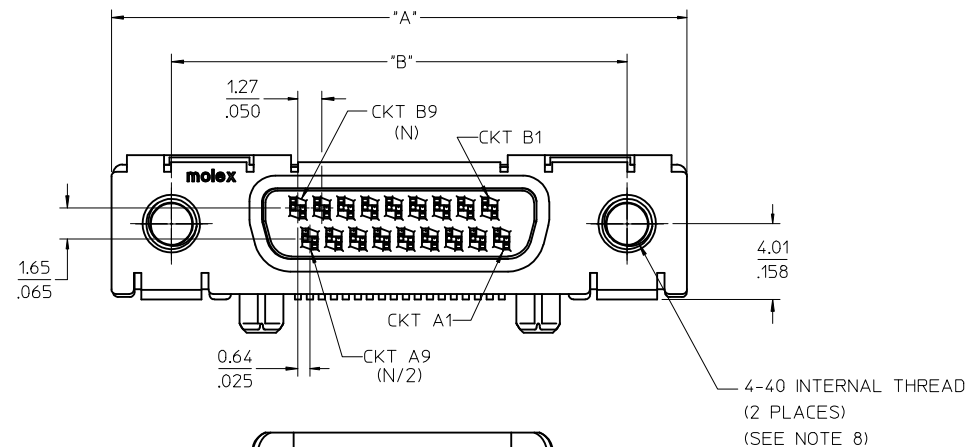
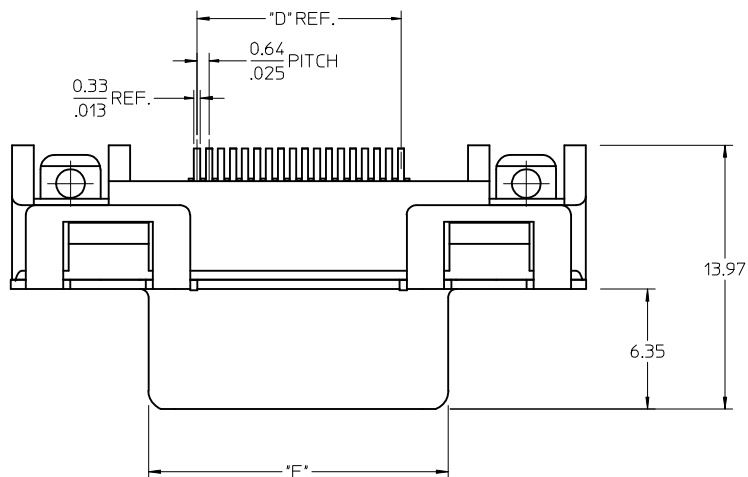
Material Info

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.

3. PC SMT TAILS AND 2 GROUND TABS ARE TO BE COPLANAR WITHIN 0.127/.005.

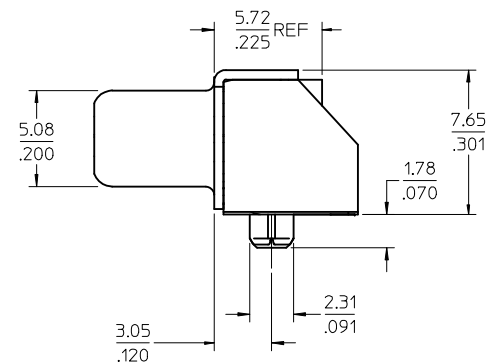
4. PARTS TO BE PACKAGED IN TAPE AND REEL. SEE CHART ON SHEET 2 FOR PACKAGING SPECIFICATION.

5. REFER TO SHEET 2 FOR RECOMMENDED PCB LAYOUT AND PANEL CUT-OUT.

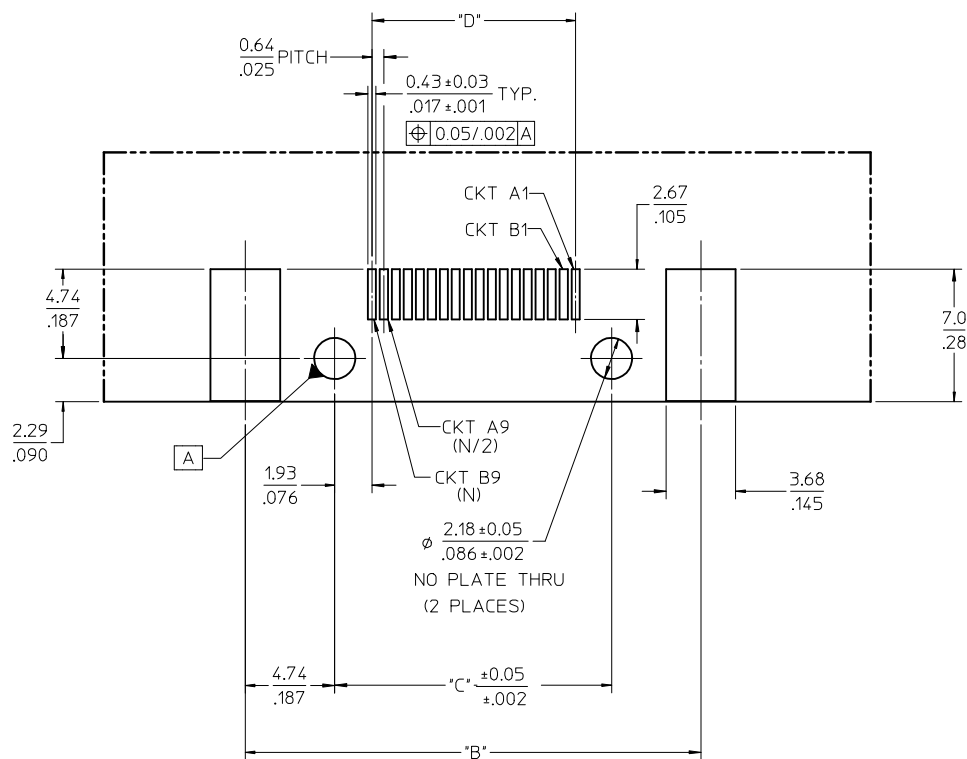
6. RECOMMENDED JACK POST MOUNTING HARDWARE (QTY 2 PER ASSEMBLY),
SEE CHART FOR ITEM NUMBERS AND SALES DRAWING SD-74962-000.

7. PRODUCT CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-74960-000.

8. FOR TDP RECEPTACLE WITH M3 INTERNAL THREAD OPTION CONTACT PRODUCT MARKETING.

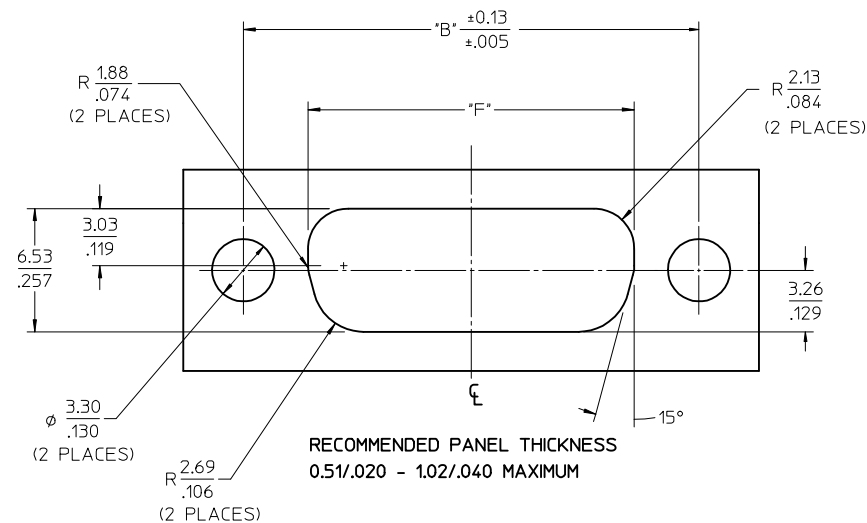


REVISED PIN OUT EC NO: UCP2009-3097 DRWN: JJANTELEZ 6/22/09 CHKD: 2009/08/14 APPR: MBANAKIS 2009/08/14	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			SCALE 5:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		REVISE ON CAD ONLY		
		 0	mm			INCH			DIMENSION STYLE		TITLE	
									MM/IN	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

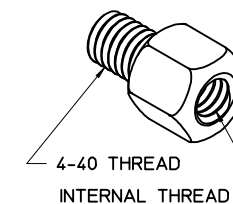


NOTES:

1. ALL DIMENSIONS ON THIS SHEET ARE ±0.13/0.005 TOLERANCE UNLESS OTHERWISE SPECIFIED.
2. DIMENSIONS SHOWN ABOUT A CENTERLINE ARE SYMMETRICAL ABOUT THAT CENTERLINE WITHIN HALF THE SPECIFIED TOLERANCE.



NOT TOOLED	MATERIAL NUMBER	CIRCUIT SIZE	*A* DIMENSION	*B* DIMENSION	*C* DIMENSION	*D* DIMENSION	*E* DIMENSION	*F* DIMENSION	PACKAGING SPECIFICATION	
	74960-3018	18	30.48 1.200	24.13 .950	14.66 .577	10.80 .425	15.87 .625	17.27 .680	PK-74960-995	
	74960-3028	28	36.83 1.450	30.48 1.200	21.01 .827	17.15 .675	22.17 .873	23.62 .930	PK-74960-995	
X	74960-3038	38	43.18 1.700	36.83 1.450	27.36 1.077	23.50 .925	28.52 1.123	29.97 1.180	N/A	CONTACT PRODUCT MARKETING
	74960-3048	48	49.53 1.950	43.18 1.700	33.71 1.327	29.85 1.175	34.87 1.373	36.32 1.430	PK-74960-996	
X	74960-3072	72	64.77 2.550	58.42 2.300	48.95 1.927	45.09 1.775	50.11 1.973	51.56 2.030	N/A	CONTACT PRODUCT MARKETING

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

SEE SHEET 1 EC NO: UCP2009-3097 DRWN: JJANTELEZ 6/22/09 CHKD: 2009/08/14 APPR: MBANAKIS 2009/08/14	QUALITY SYMBOLS ▽ - 0 ▽ - 0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .015 1 PLACE ± 0.38 ± --- ANGULAR ± 1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SCALE 5:1 DESIGN UNITS INCH DIMENSION STYLE MM/IN DRAWN BY JJANTELEZ DATE 07/15/2008 CHECKED BY TMCLELL DATE 07/15/2008 APPROVED BY BANAKIS DATE 07/15/2008	THIRD ANGLE PROJECTION REVISE ON CAD ONLY TITLE SALES DRAWING - PCIE/TDP SMT RECEPTACLE ASSEMBLY MOLEX MOLEX INCORPORATED MATERIAL NO. SEE CHART DOCUMENT NO. SD-74960-010 SHEET NO. 2 OF 2