

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0749603028

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, 28 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

Overview

Product Name

Type

I/O Connectors

74960

Wire-to-Board

Receptacle

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

28

28

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

Material Info



image - Reference only

Series

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

74960Series

Mates With

75000 Plug

Use With

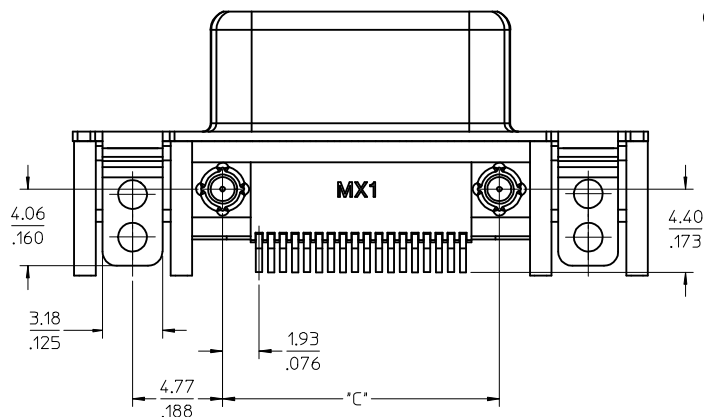
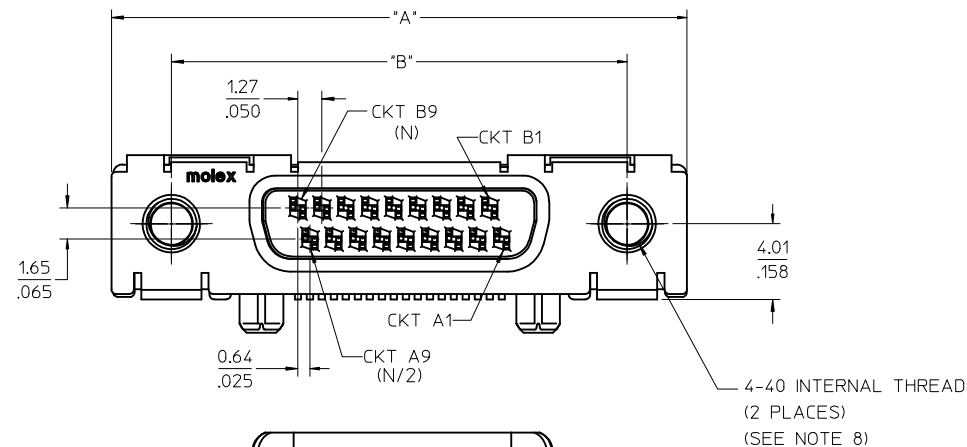
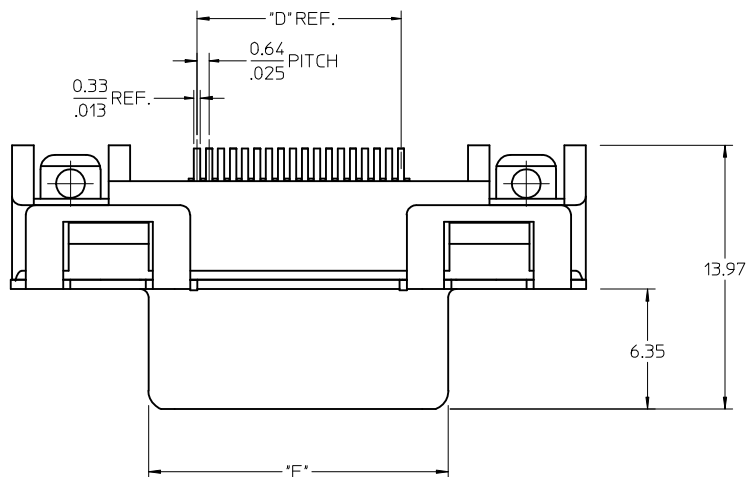
74962 Jack Posts

Reference - Drawing Numbers

Application Specification	AS-74960-100
Packaging Specification	PK-74960-995
Product Specification	PS-74960-000
Sales Drawing	SD-74960-010

This document was generated on 05/28/2010

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NOTES:

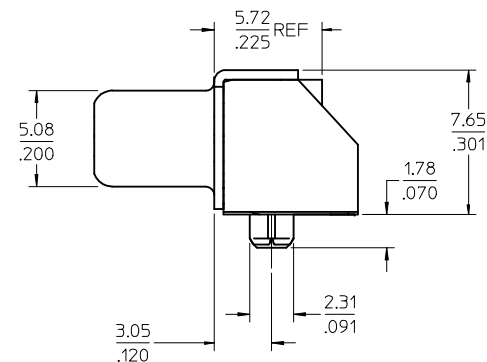
1. MATERIALS:

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

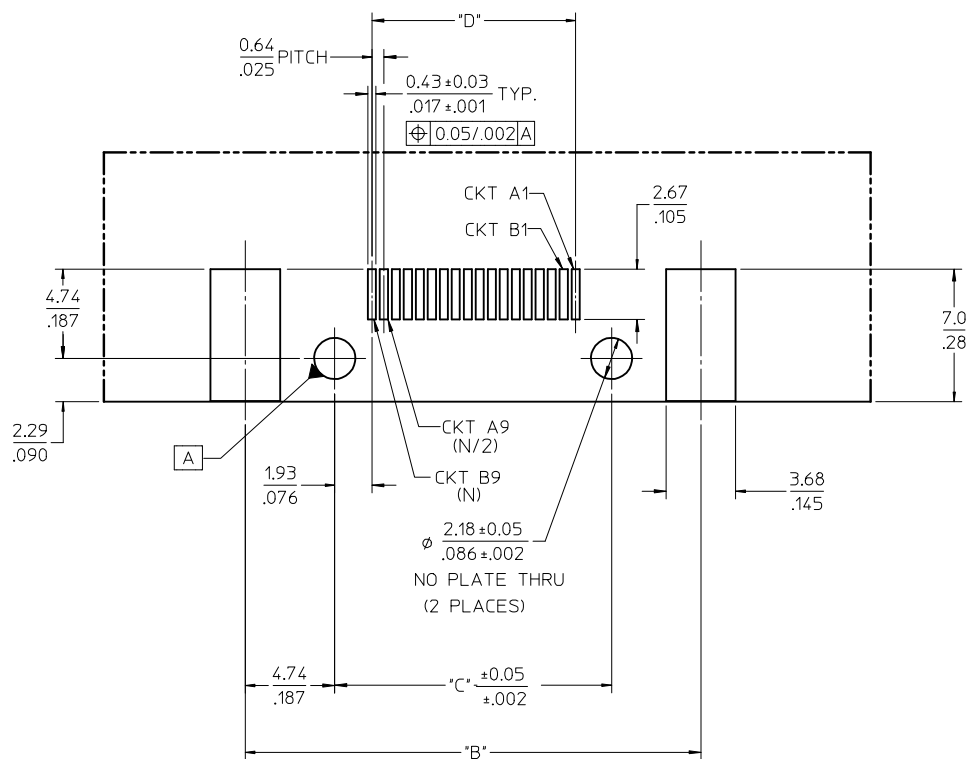
2. PLATING:

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.

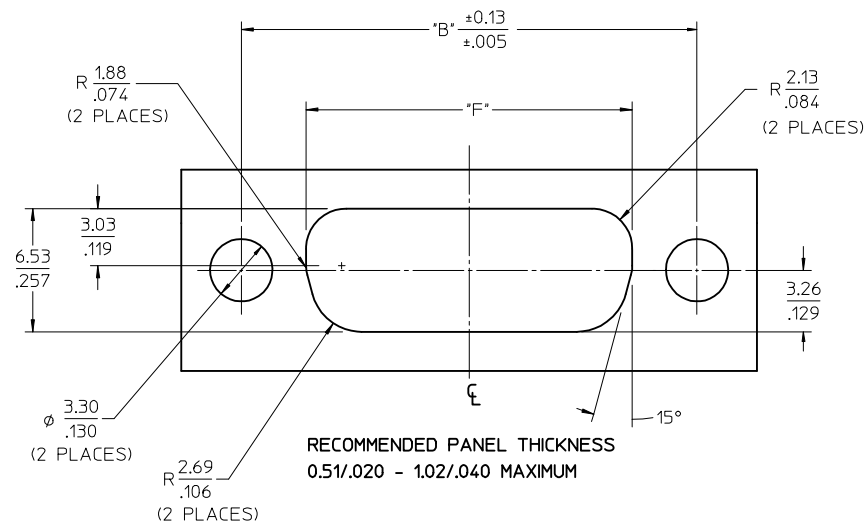


REVISED PIN OUT EC NO: UCP2009-3097 DRWN: JJANTELEZ 6/22/09 CHKD: 2009/08/14 APPR: MBANAKIS 2009/08/14	DESCRIPTION	QUALITY SYMBOLS ▽ = 0 ▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			SCALE 5:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		REVISE ON CAD ONLY		
						DIMENSION STYLE		TITLE				
						MM/IN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

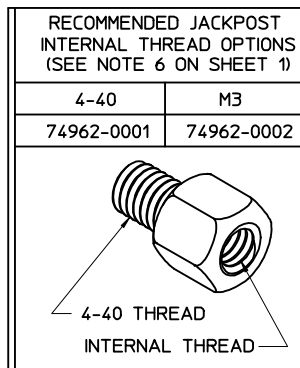


NOTES:

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



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



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.