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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	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
Overview	tdp_triad_differential_pair
Product Name	TDP®
Type	N/A

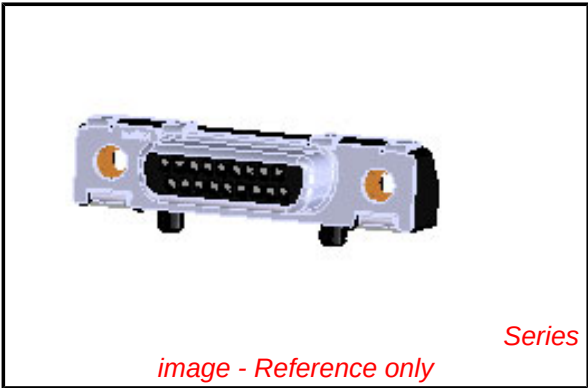
Physical

Circuits (Loaded)	28
Circuits (maximum)	28
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

Material Info



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

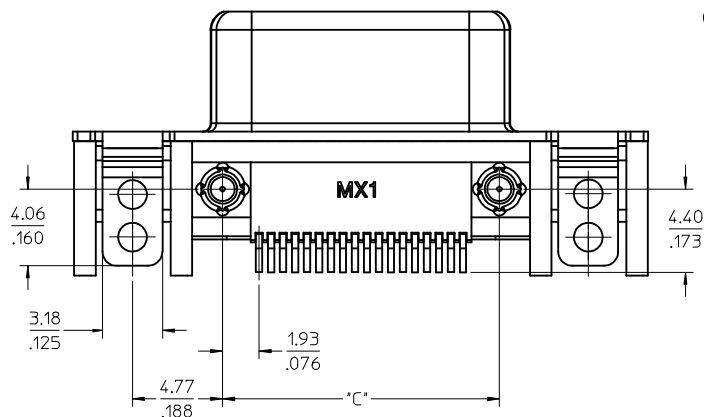
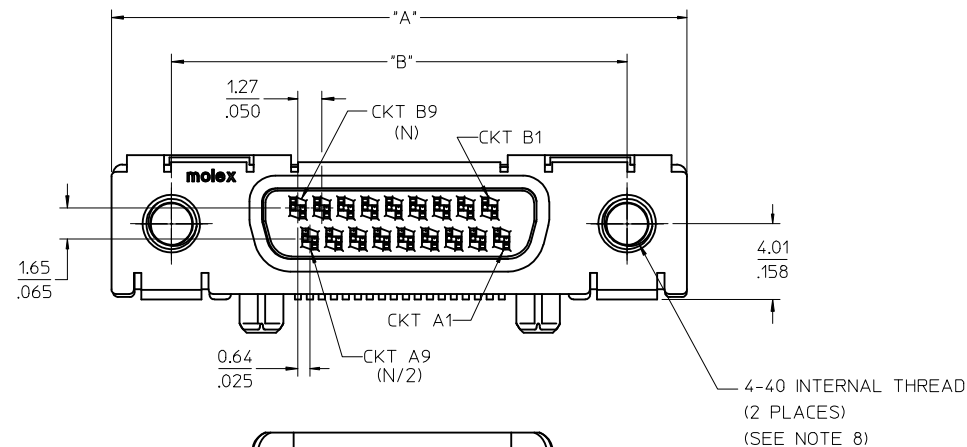
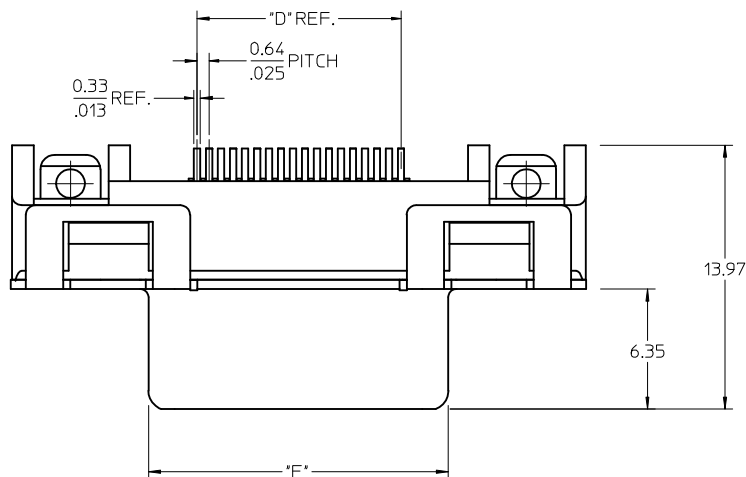
74962 Jack Posts

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.

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

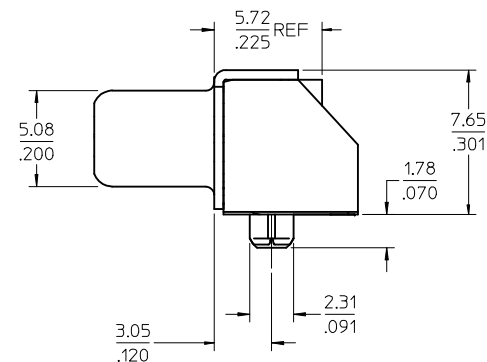
4. PARTS TO BE PACKAGED IN TAPE AND REEL. SEE CHART ON SHEET 2 FOR PACKAGING SPECIFICATION.

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

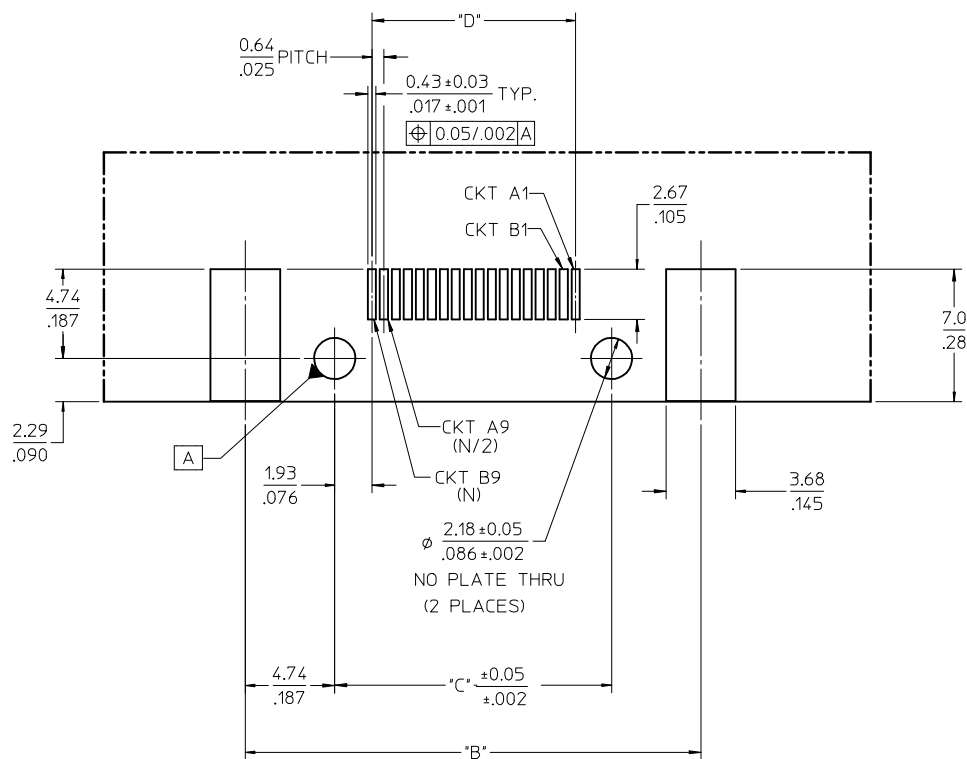
6. RECOMMENDED JACK POST MOUNTING HARDWARE (QTY 2 PER ASSEMBLY), SEE CHART FOR ITEM NUMBERS AND SALES DRAWING SD-74962-000.

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

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

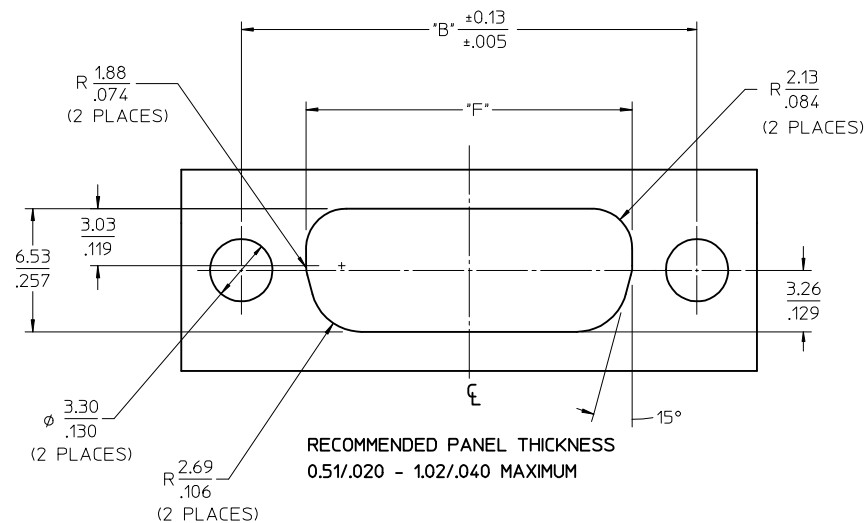


REVISED PIN OUT EC NO: UCP2009-3097 DRWN: JJANTELEZ 6/22/09 CHKD: 2009/08/14 APPR: MBANAKIS 2009/08/14	DESCRIPTION	QUALITY SYMBOLS ▽ = 0 ▽C = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			SCALE 5:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		REVISE ON CAD ONLY		
						DIMENSION STYLE		TITLE SALES DRAWING -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

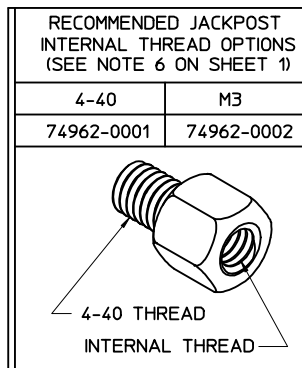


NOTES:

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

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- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
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- Формирование склада под заказчика.
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- Входной контроль качества.
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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.



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