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Part Number:

0751341000

Status:

Active

Overview:

dms59

Description:

1.27mm (.050") Pitch DMS-59® Receptacle, Shielded, Right Angle

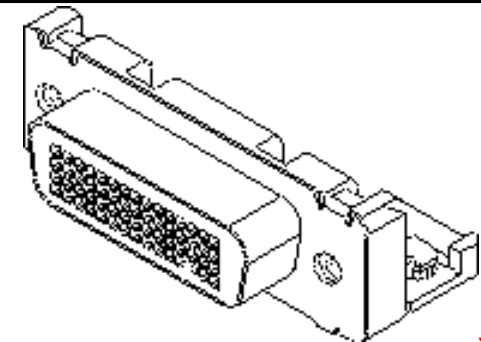


image - Reference only

Series

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [Product Specification PS-75134-001 \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	I/O Connectors
Series	75134
Application	Wire-to-Board
Component Type	Receptacle
Overview	dms59
Product Name	DMS59®
Type	N/A

Physical

Circuits (Loaded)	59
Circuits (maximum)	59
Color - Resin	Black
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
PC Tail Length (in)	0.092 In
PC Tail Length (mm)	2.34 mm
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tube
Panel Mount	Yes
Pitch - Mating Interface (in)	0.050 In
Pitch - Mating Interface (mm)	1.27 mm
Plating min: Mating (µin)	2
Plating min: Mating (µm)	0.05
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.5
Polarized to Mating Part	Yes
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-20°C to +80°C
Termination Interface: Style	Surface Mount
Wire Size AWG	N/A

Electrical

Current - Maximum per Contact	1A
Shielded	Yes
Voltage - Maximum	40V

Solder Process Data

Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1

EU RoHS

ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status

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
75134Series

Mates With
75135

Use With
70982 Panel Mount Hex Screw Kit

Process Temperature max. C245

Material Info

Reference - Drawing Numbers

Packaging SpecificationPK-70873-0291

Product SpecificationPS-75134-001

Sales DrawingSD-75134-001

This document was generated on 05/28/2010

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13	12	11	10	9	8	7	6	5	4	3	2	1
ITEM NUMBER	DIMENSION "A"	HEXAGONAL SCREWLOCKS PACKAGED WITH CONNECTORS	SCREWLOCK ITEM NUMBER (SEE SD-70982-****)	PACKAGED PER PACKAGING SPECIFICATION								
75134-1000	.092±.010/2.34±0.25	NO		PK-70873-0291								
75134-1001	.092±.010/2.34±0.25	YES	70982-1003; 4-40 INTERNAL THD	PK-70873-0686								

NOTES:

1) MATERIALS:

HOUSING: GLASS FILLED LCP (LIQUID CRYSTAL POLYMER), UL94 V-0, COLOR NATURAL.
 STICK HOUSING: GLASS FILLED LCP (LIQUID CRYSTAL POLYMER), UL94 V-0, COLOR BLACK.
 TERMINALS: COPPER ALLOY.
 OUTER SHELL: DEEP DRAWN STEEL.
 HEXAGONAL SCREWLOCK: STEEL.

2) PLATING :

TERMINAL: SELECTIVE GOLD (Au) FLASH IN CONTACT AREA;
 THICKNESS= 2 TO 10 MICROINCHES/0.05 TO 0.25 MICROMETERS;
 SELECTIVE TIN (Sn) ALLOY IN THE PC TAIL AREA;
 THICKNESS=100 MICROINCHES/2.54 MICROMETERS MINIMUM;
 NICKEL (Ni) UNDERPLATE OVER ENTIRE PIN.

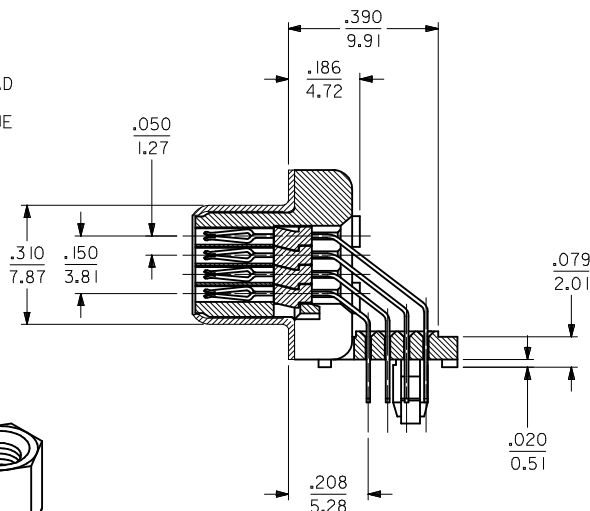
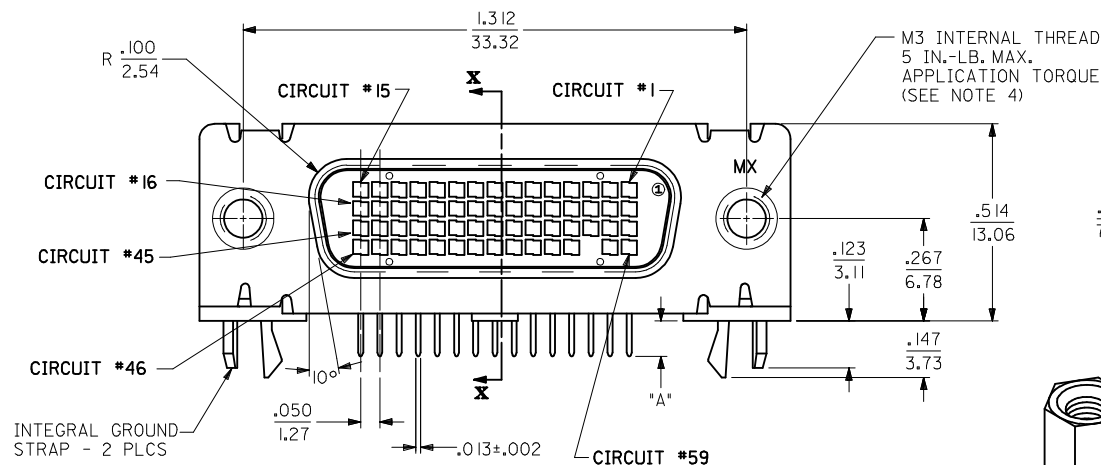
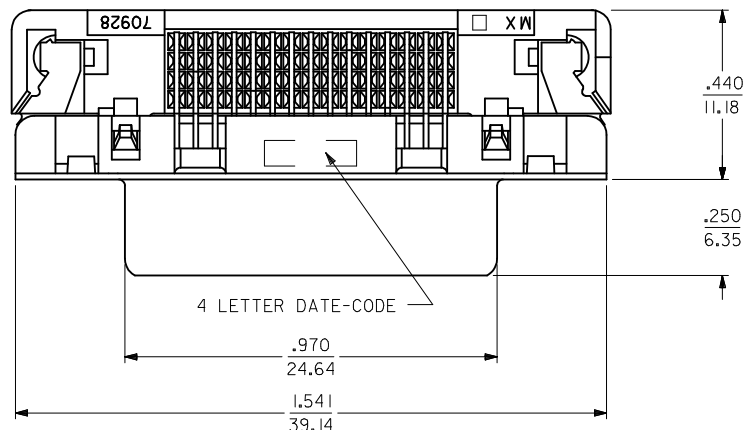
OUTER SHELL: 150 MICROINCHES/3.81 MICROMETERS MINIMUM OF BRIGHT TIN
 OVER 50 MICROINCHES/1.27 MICROMETERS MINIMUM OF NICKEL
 OVER COPPER FLASH (OPTIONAL).

3) CONFORMS TO PRODUCT SPECIFICATION PS-75134-001.

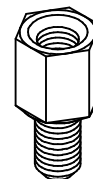
4) THREAD GAGE MAY REQUIRE UP TO 1 INCH-POUND/0.113 NEWTON-METER OF
 TORQUE DURING GAGING PROCESS.

5) SEE CHART FOR PACKAGING.

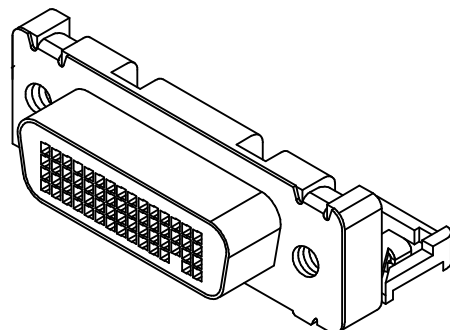
6) PART COMPLIES WITH CLASS B OF COSMETIC SPECIFICATION PS-45499-002



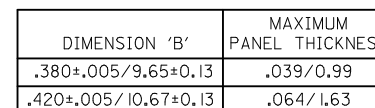
SECTION X-X



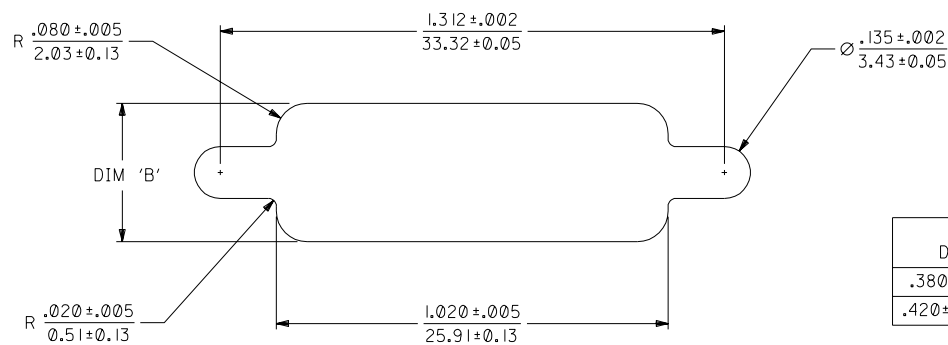
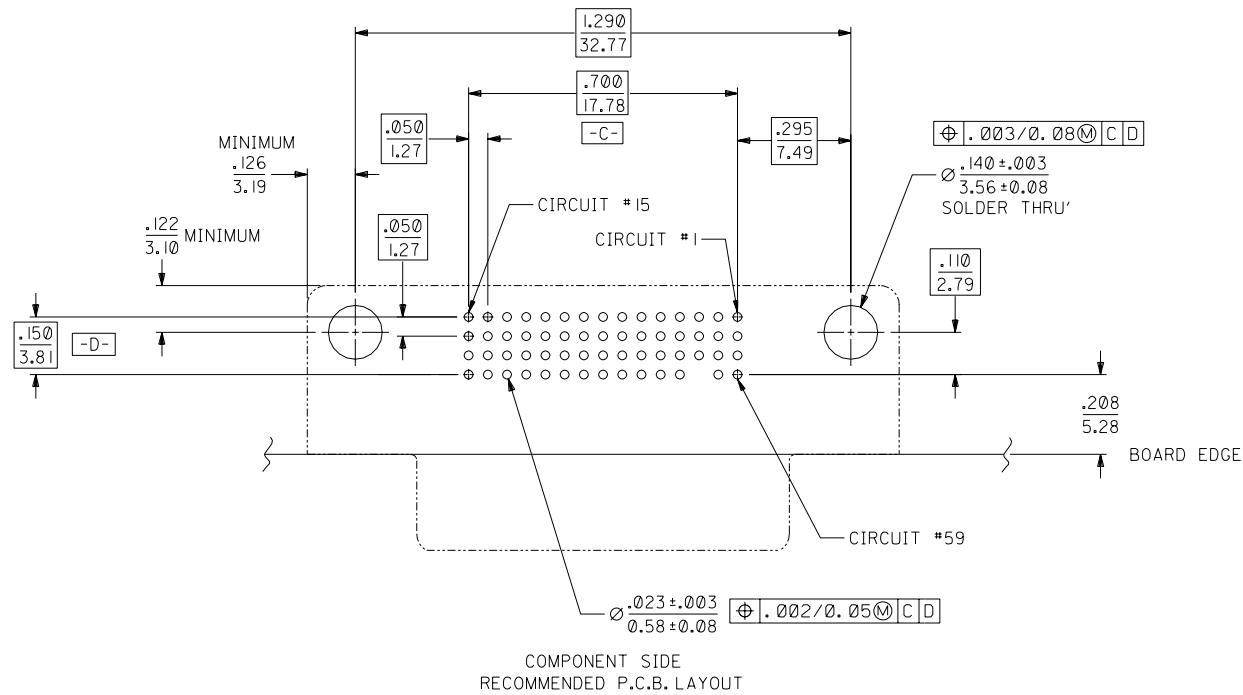
OPTIONAL
HEXAGONAL SCREWLOCK



MODIFY T/A ACTUAL EC NO: UCP2009-2635 DRWN:DMORGAN 2009/04/29 CHKD:SDANIELLEY 2009/04/30 APPR:SMILLER 2009/04/30	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE IN/MM		SCALE	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY	DATE	TITLE			
			4 PLACES	± ---	± ---	DMORGAN	2002/10/18	SALES DMS-59 RECEPTACLE			
			3 PLACES	± ---	± .010	CHECKED BY	DATE	LFH .050/1.27 PITCH			
			2 PLACES	± 0.25	± .015	BBARKER	2002/10/18	RIGHT ANGLE I/O 59 CKT			
			1 PLACE	± 0.38	± ---	APPROVED BY	DATE		MOLEX INCORPORATED		
			ANGULAR ±1/2°			SMILLER	2002/10/18				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.		DOCUMENT NO.			SHEET NO.
						SEE TABLE		SD-75134-001			1 OF 2
						SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



SEE SHEET 1 EC NO: UCP2009-2635 DRWN:DMORGAN 2009/04/29 CHKD:SDANNELLEY 2009/04/30 APPR:SMILLER 2009/04/30	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	
	= 0 = 0	mm	INCH	DRAWN BY	DATE	TITLE	SALES DMS-59 RECEPTACLE LFH .050/1.27 PITCH RIGHT ANGLE I/O 59 CKT		
		4 PLACES ± --- ± ---	DMORGAN	2002/10/18					
		3 PLACES ± --- ± .010	CHECKED BY	DATE					
		2 PLACES ± 0.25 ± .015	BBARKER	2002/10/18					
		1 PLACE ± 0.38 ± ---	APPROVED BY	DATE					
		ANGULAR ± 1/2°	SMILLER	2002/10/18	MOLEX INCORPORATED				
			MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE TABLE		SD-75134-001		2 OF 2		
	REV		SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



DIMENSION 'B'	MAXIMUM PANEL THICKNESS
.380±.005/9.65±0.13	.039/0.99
.420±.005/10.67±0.13	.064/1.63

INITIAL RELEASE EC NO. UCP2003-0543 DRW: DMORGAN 02/10/18 CHK: BBARKER 02/10/18 APP: SMILLER 02/10/18	DESCRIPTION MAJOR CRITICAL	QUALITY SYMBOLS MAJOR CRITICAL	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE 4:1	DESIGN UNITS ☐ mm ☒ INCH	DIMENSIONS: ☐ mm ☒ INCH ☐ mm ONLY		SHT	REV
			4 PLACES ±0. ±.	DRAWN BY & DATE DMORGAN 02/10/18	THIRD ANGLE PROJECTION		TITLE: SALES DMS-59 RECEPTALCE LFH .050/1.27 PITCH RIGHT ANGLE I/O 59 CKT			
			3 PLACES ±0. ±.010	CHECKED BY & DATE BBARKER 02/10/18	MATERIAL NO.		DRAWING NO.		SHEET NO.	
			2 PLACES ±0.25 ±.015	APPROVED BY & DATE SMILLER 02/10/18	SEE CHART		SD-75134-001		2	
1 PLACE ±0.38 ±.	ANGULAR: ± 1/2 °		CAD FILENAME	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		SIZE C				
A	REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							