

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0751351000](#)
Status: **Active**
Overview: [dms59](#)
Description: 1.27mm (.050") Pitch DMS-59® Cable Plug Subassembly, Shielded

Documents:

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

General

Product Family	I/O Connectors
Series	75135
Application	Wire-to-Board
Comments	Insert-molded plug terminal sticks supplied separately (see 70984-1098 and 70984-1099)
Component Type	Plug, Subassembly
Overview	dms59
Product Name	DMS59®
Type	N/A

Physical

Boot Color	N/A
Circuits (Loaded)	N/A
Circuits (maximum)	59
Color - Resin	Natural
Durability (mating cycles max)	500
Gender	Plug
Lock to Mating Part	Yes
Material - Metal	Aluminum
Material - Plating Mating	Gold
Material - Plating Termination	Tin-Lead
Material - Resin	High Temperature Thermoplastic
Number of Rows	4
Orientation	Vertical
PCB Locator	No
PCB Retention	N/A
Packaging Type	Tray
Panel Mount	Yes
Pitch - Mating Interface (in)	0.050 In
Pitch - Mating Interface (mm)	1.27 mm
Pitch - Term. Interface (in)	0.050 In
Pitch - Term. Interface (mm)	1.27 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.50
Polarized to Mating Part	Yes
Ports	1
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-20°C to +85°C
Termination Interface: Style	N/A
Waterproof / Dustproof	No
Wire Size AWG	28, 30, 32, 34, 36

Electrical

Current - Maximum per Contact	3A
-------------------------------	----

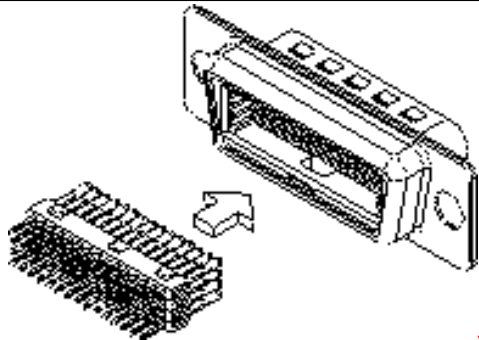


image - Reference only

Series

EU RoHS

**ELV and RoHS
Compliant**

REACH SVHC

Contains SVHC: No
**Halogen-Free
Status**

Halogen-Free

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

[75135Series](#)

Mates With

[75134](#)

Use With

[70984](#) Plug Terminal Sticks

Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	40V AC (RMS)

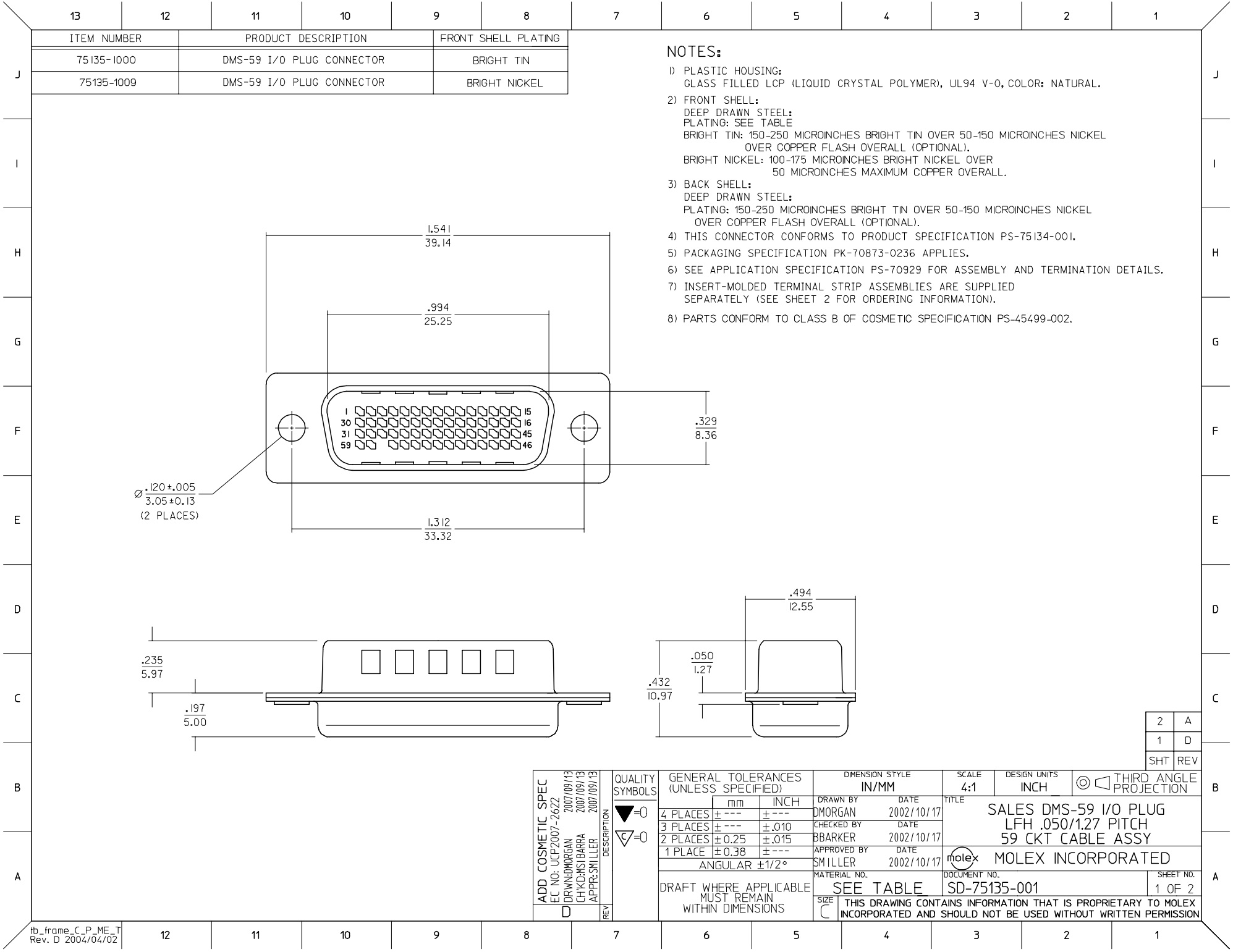
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-70873-0236
Product Specification	PS-75134-001
Sales Drawing	SD-75135-001

This document was generated on 05/28/2010

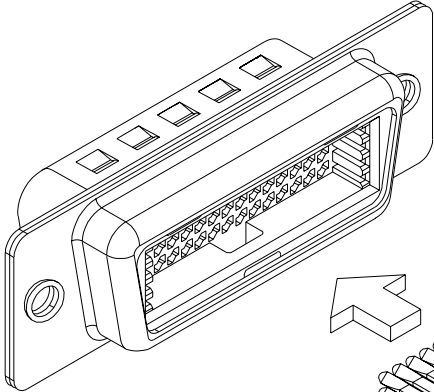
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



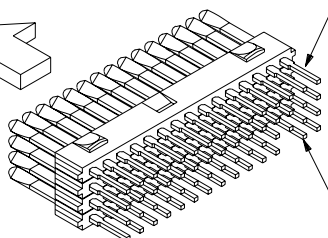
NOTES:

- 1) PLASTIC HOUSING:
GLASS FILLED LCP (LIQUID CRYSTAL POLYMER), UL94 V-0, COLOR: NATURAL.
- 2) FRONT SHELL:
DEEP DRAWN STEEL:
PLATING: SEE TABLE
BRIGHT TIN: 150-250 MICROINCHES BRIGHT TIN OVER 50-150 MICROINCHES NICKEL OVER COPPER FLASH OVERALL (OPTIONAL).
BRIGHT NICKEL: 100-175 MICROINCHES BRIGHT NICKEL OVER 50 MICROINCHES MAXIMUM COPPER OVERALL.
- 3) BACK SHELL:
DEEP DRAWN STEEL:
PLATING: 150-250 MICROINCHES BRIGHT TIN OVER 50-150 MICROINCHES NICKEL OVER COPPER FLASH OVERALL (OPTIONAL).
- 4) THIS CONNECTOR CONFORMS TO PRODUCT SPECIFICATION PS-75134-001.
- 5) PACKAGING SPECIFICATION PK-70873-0236 APPLIES.
- 6) SEE APPLICATION SPECIFICATION PS-70929 FOR ASSEMBLY AND TERMINATION DETAILS.
- 7) INSERT-MOLDED TERMINAL STRIP ASSEMBLIES ARE SUPPLIED SEPARATELY (SEE SHEET 2 FOR ORDERING INFORMATION).
- 8) PARTS CONFORM TO CLASS B OF COSMETIC SPECIFICATION PS-45499-002.

ADD COSMETIC SPEC EC NO: UCP2007-2622 DRAWN BY: DMORGAN 2007/09/13 CHKD: MS BARRA 2007/09/13 APPR: SMILLER 2007/09/13	QUALITY SYMBOLS =0 =0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION
			mm	INCH	DRAWN BY	DATE	TITLE		
			4 PLACES ± ---	± ---	DMORGAN	2002/10/17	SALES DMS-59 I/O PLUG		
			3 PLACES ± ---	± .010	CHECKED BY	DATE	LFH .050/1.27 PITCH		
			2 PLACES ± 0.25	± .015	BBARKER	2002/10/17	59 CKT CABLE ASSY		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	REV	SIZE C	1 PLACE ± 0.38	± ---	APPROVED BY	DATE	MOLEX MOLEX INCORPORATED		SHEET NO. 1 OF 2
			ANGULAR ±1/2°		SMILLER	2002/10/17	SD-75135-001		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		
					SEE TABLE		SD-75135-001		
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



PLUG CONNECTOR
75135-1000



70984-10**
(15 CIRCUIT STICK)
(3 REQUIRED PER ASSEMBLY)

INSERT MOLDED TERMINAL STICKS
SUPPLIED SEPARATELY
SEE SALES DRAWING SDA-70984-100* FOR 70984-10**
SEE SALES DRAWING SD-70984-100 FOR 70984-109*
NOTE: STICKS SHOWN WITH CARRIER REMOVED

70984-109*
(14 CIRCUIT STICK)
(1 REQUIRED PER ASSEMBLY)

INITIAL RELEASE EC NO. UCP2003-0543 DRAWN: DMORGAN 02/10/17 CHK: BBARKER 02/10/17 APPR: SMILLER 02/10/17				DESCRIPTION REV	QUALITY SYMBOLS MAJOR = CRITICAL C =	GENERAL TOLERANCES: (UNLESS SPECIFIED)			SCALE :	DESIGN UNITS ☐ mm ☒ INCH	 THIRD ANGLE PROJECTION	DIMENSIONS: ☐ mm ☒ INCH ☐ mm ONLY			SHT	REV		
						4 PLACES	mm	INCH	DRAWN BY & DATE DMORGAN 02/10/17	TITLE: SALES DMS-59 I/O PLUG LFH .050/1.27 PITCH 59 CKT CABLE ASSY		MOLEX INCORPORATED	MATERIAL NO. SEE CHART	DRAWING NO. SD-75135-001	SHEET NO. 2	REVISION ON CAD ONLY		
							±0.	±.										
							3 PLACES	±0.									±.010	CHECKED BY & DATE BBARKER 02/10/17
A							2 PLACES	±0.25	±.015	APPROVED BY & DATE SMILLER 02/10/17								
							1 PLACE	±0.38	±.								CAD FILENAME	
							ANGULAR: ± 1/2 °										THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	SIZE C
							DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS											