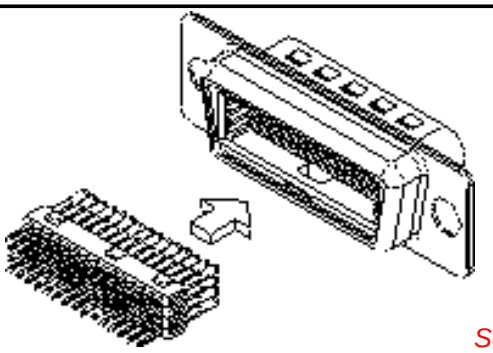
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Part Number: 0751351009
Status: Active
Overview: dms59
Description: 1.27mm (.050") Pitch DMS-59® Cable Plug Subassembly, Shielded



Series image - Reference only

Documents:

3D Model
Packaging Specification (PDF)
Drawing (PDF)
Product Specification PS-75134-001 (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), Bright Nickel Front Shell Plating
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
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Aluminum
Material - Plating Mating	n/a
Material - Resin	High Temperature Thermoplastic
Number of Rows	4
Orientation	Vertical
PCB Locator	No
PCB Retention	None
Packaging Type	Tray
Panel Mount	No
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
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
Grounding to Panel	N/A
Shield Type	Full Shield

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
75135Series

Mates With
75134

Use With
70984 Plug Termnial Sticks

Shielded	Yes
Voltage - Maximum	40V AC (RMS)

Material Info

Reference - Drawing Numbers

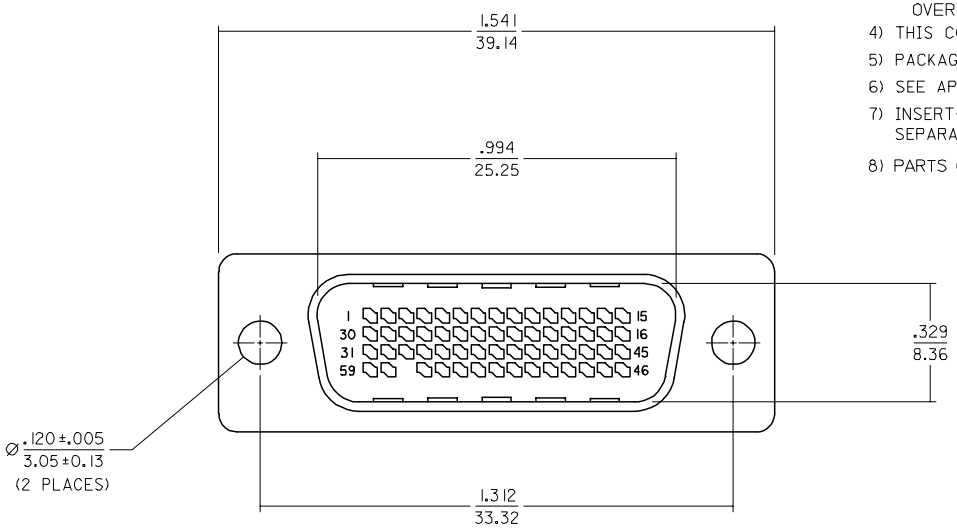
Packaging Specification	PK-70873-0236
Product Specification	PS-75134-001
Sales Drawing	SD-75135-001

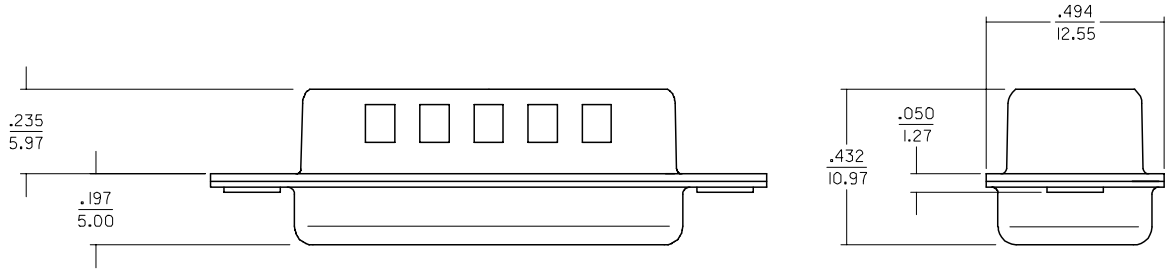
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ITEM NUMBER	PRODUCT DESCRIPTION	FRONT SHELL PLATING
75135-1000	DMS-59 I/O PLUG CONNECTOR	BRIGHT TIN
75135-1009	DMS-59 I/O PLUG CONNECTOR	BRIGHT NICKEL

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.





2	A
1	D
SHT	REV

ADD COSMETIC SPEC
EC NO: UCP2007-2622 2007/09/13
DRWN:DMORGAN 2007/09/13
CH'KD:MS BARRA 2007/09/13
APPR:SMILLER 2007/09/13
DESCRIPTION
REV: D

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

DIMENSION STYLE: IN/MM
SCALE: 4:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

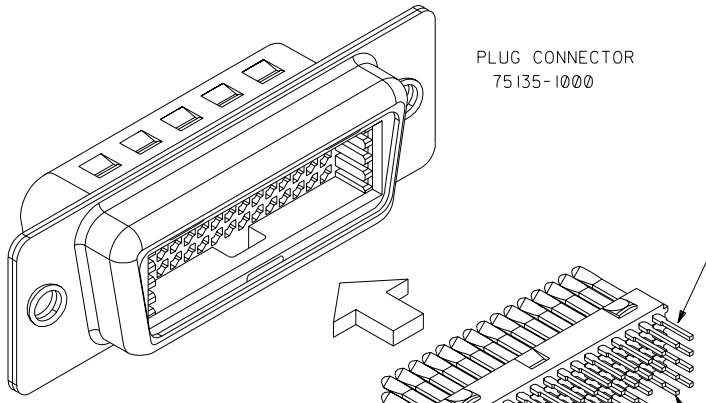
		DATE
DRAWN BY	DMORGAN	2002/10/17
CHECKED BY	BBARKER	2002/10/17
APPROVED BY	SMILLER	2002/10/17

TITLE: SALES DMS-59 I/O PLUG LFH .050/1.27 PITCH 59 CKT CABLE ASSY

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-75135-001
SHEET NO.: 1 OF 2
SIZE: C

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)

REV	DESCRIPTION	EC NO.	DRWN:	CH'K:	APPR:
A	INITIAL RELEASE	UCP2003-0543	DMORGAN 02/10/17	BBARKER 02/10/17	SMILLER 02/10/17

QUALITY SYMBOLS
MAJOR =
CRITICAL (C) =

GENERAL TOLERANCES: (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±0.	±.
3 PLACES	±0.	±.010
2 PLACES	±0.25	±.015
1 PLACE	±0.38	±.
ANGULAR: ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SCALE : | DESIGN UNITS ☐mm ☒INCH | THIRD ANGLE PROJECTION

DRAWN BY & DATE: DMORGAN 02/10/17
CHECKED BY & DATE: BBARKER 02/10/17
APPROVED BY & DATE: SMILLER 02/10/17
CAD FILENAME: .

DIMENSIONS: ☐mm/INCH ☒INCH/mm ☐mm ONLY | SHT | REV | REVISE ON CAD ONLY

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
SIZE: C

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