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Part Number:

0850090452

Status:

Active

Overview:

[din_41612](#)

Description:

2.54mm (.100") Pitch DIN 41612/EIC 603-2 Mixed Layout Connector, Male Style M, Right Angle, Through Hole, 0.6µm (24µ ") Selective Gold (Au), with First-Mate-Last-Break Pins, 64 Circuits

Documents:	
3D Model	Product Specification PS-85003-0001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification	
CSA	LR19980
UL	E29179
General	
Product Family	Backplane Connectors
Series	85009
Application	Backplane
Comments	Mixed Layout
Component Type	PCB Header
Overview	din_41612
Product Name	IEC 603-2/DIN 41612
Style	M
Physical	
Circuits (Loaded)	64
Circuits (maximum)	64
Circuits Detail	60 + 4
Durability (mating cycles max)	400
First Mate / Last Break	Yes
Flammability	94V-0
Keying to Mating Part	Yes
Number of Columns	20
Number of Pairs	Open Pin Field
Number of Rows	3
Orientation	Right Angle
PC Tail Length (in)	0.118 In
PC Tail Length (mm)	3.00 mm
PCB Locator	No
PCB Retention	None
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Pitch - Term. Interface (in)	0.100 In
Pitch - Term. Interface (mm)	2.54 mm
Temperature Range - Operating	-55°C to +125°C
Electrical	
Current - Maximum per Contact	1.5A
Data Rate	622.0 Mbps
Voltage - Maximum	250V AC (RMS)
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

85009Series

Mates With

85048 , 85056

Use With

85023

Reference - Drawing Numbers

Packaging Specification	PK-85009-001
Product Specification	PS-85003-0001
Sales Drawing	SDA-85009-0003, SDA-85009-0452

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VIEW ON MATING SIDE

[illegible]

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|---|---|----|----------|----------------|-------|
| A | = | 18 | STANDARD | CONTACTS | L = 3 |
| B | = | 20 | STANDARD | CONTACTS | L = 3 |
| C | = | 20 | STANDARD | CONTACTS | L = 3 |
| Z | = | 2 | FMLB | CONTACTS + 0.6 | L = 3 |

S = 60 TOTAL NUMBER OF CONTACTS

Marking	Standard
Performance level	G2/0 = Contact area level2 / Termination tin
Flux proof	no
Fixing clip	no
Dimensions	SDA-85009-0003 stht.l
Technical Data	PS-85003-0001

Z	G2/0	a7-26
C	G2/0	c7-26
B	G2/0	b7-26
A	G2/0	a8-25
Contact symbol	Perform. level	Contact position number

C	see ECN No. 2204 96/07/18 Cd	LTR	REVISIONS		FOR PREVIOUS REVISIONS SEE MRL LIST		UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR $\pm 2^\circ$				DRAWG BY Ca	SIGN	REVISE ONLY ON CAD SYSTEM				SH.	REV.	
			INCH		METRIC														
			3 PLACE $\pm$.	$\pm$	2 PLACE $\pm$.	$\pm$	1 PLACE $\pm$.	$\pm$											
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																
		DESIGN DIMENSION		☐ MM	☐ IN.	CHK'D BY		SIGN	TITLE 60 pos. Male connector acc. DIN 41612 style M contacts arrangement				CAD/CAM PROJECT NAME s8500904 s51		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
		EQUIVALENT DIMENSION		☐ MM	☐ IN.	APP'D BY											SIGN		
		SCALE										PART NO. 85009-0452		DWG NO. SDA-85009-0452		SIZE A			
														MOLEX® MOLEX EUROPE		SHEET NO. 1 OF 1		DATE 95/06/08	