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Part Number: [0850039018](#)
Status: **Active**
Overview: [din_41612](#)
Description: 2.54mm (.100") Pitch DIN 41612 C Style Male Header, Right Angle, Through Hole, 0.60µm (24µ") Selective Gold (Au) Plating, 96 Circuits, with Mounting Clips, No Flux Proof, Lead free

Documents:
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification	
CSA	LR19980
UL	E29179
General	
Product Family	Backplane Connectors
Series	85003
Application	Backplane
Comments	With Mounting Clips. No Flux Proof. 4.2mm(.165") Last-Mate-First- Break Contacts. . 4.8mm(.189") Normal Contacts
Component Type	PCB Header
Overview	din_41612
Product Name	IEC 603-2/DIN 41612
Style	C
Physical	
Circuits (Loaded)	96
Circuits (maximum)	96
Circuits Detail	Standard Contacts at: A:a1-a10,a12-a15,a17,a19-a22,a24-a32; B:b1,b3- b5,b7-b15,b17,b19-b22,b24-b26,b28-b30,b32; C:c1-c10,c12-c15,c19-c32. Last-Mate-First-Break Contacts at: X:a11,16,18,23; Y:b2,b6,b16,b18,b23,b27,b31; Z:c11,c16,c17,c18
Color - Resin	Gray
Durability (mating cycles max)	400
First Mate / Last Break	No
Flammability	94V-0
Guide to Mating Part	No
Keying to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Columns	16
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	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Carton
Pitch - Mating Interface (in)	0.100 In

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
[85003Series](#)

Pitch - Mating Interface (mm)	2.54 mm
Pitch - Term. Interface (in)	0.100 In
Pitch - Term. Interface (mm)	2.54 mm
Plating min: Mating (µin)	24
Plating min: Mating (µm)	0.60
Plating min: Termination (µin)	98
Plating min: Termination (µm)	2.5
Polarized to PCB	Yes
Stackable	No
Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	1A
Data Rate	622.0 Mbps
Voltage - Maximum	250V AC (RMS)

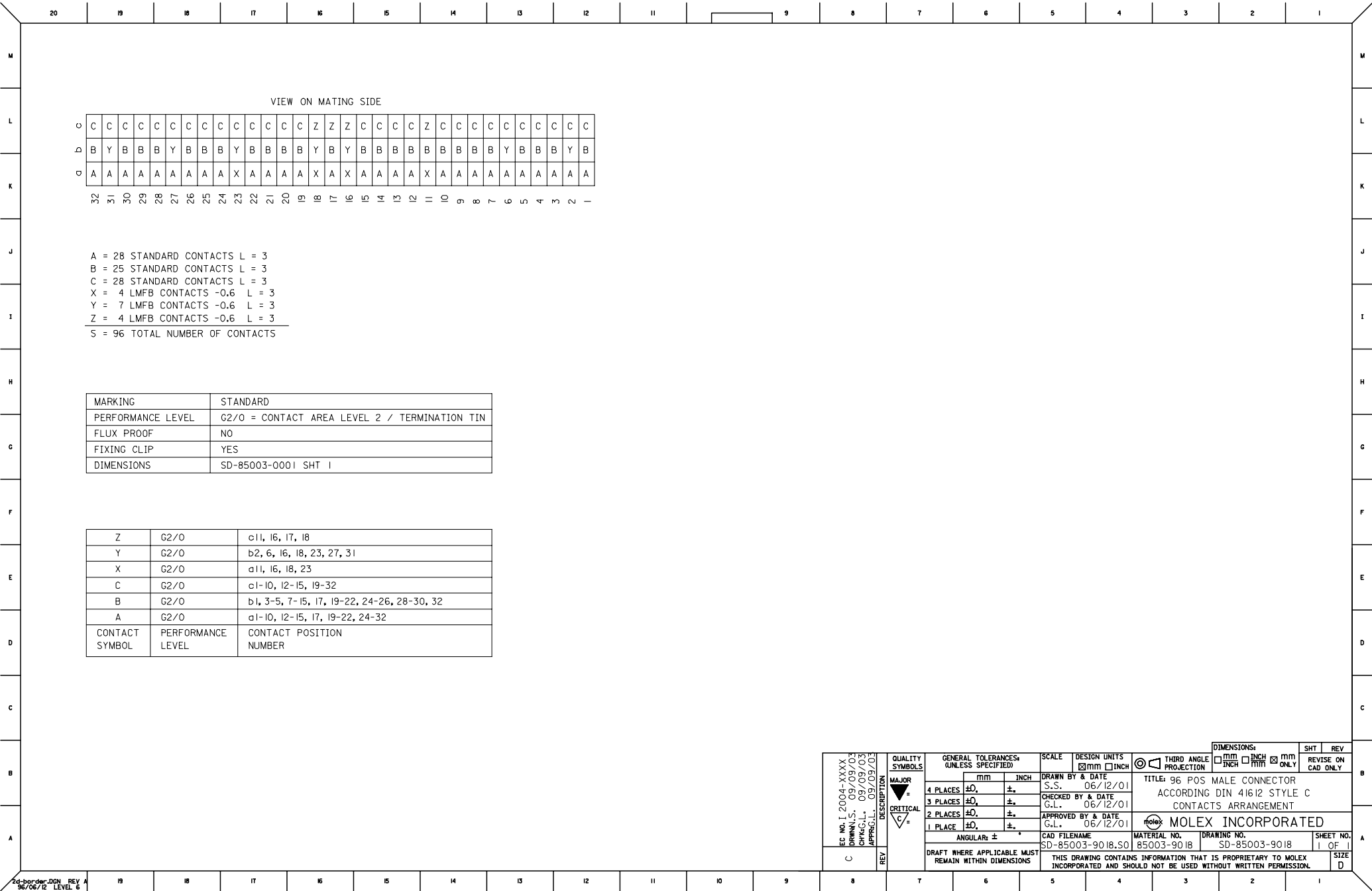
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-85003-001
Sales Drawing	SD-85003-9018

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A = 28 STANDARD CONTACTS L = 3
B = 25 STANDARD CONTACTS L = 3
C = 28 STANDARD CONTACTS L = 3
X = 4 LMFB CONTACTS -0.6 L = 3
Y = 7 LMFB CONTACTS -0.6 L = 3
Z = 4 LMFB CONTACTS -0.6 L = 3
S = 96 TOTAL NUMBER OF CONTACTS

MARKING	STANDARD
PERFORMANCE LEVEL	G2/O = CONTACT AREA LEVEL 2 / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	YES
DIMENSIONS	SD-85003-Q001 SHT 1

Z	G2/O	c11, 16, 17, 18
Y	G2/O	b2, 6, 16, 18, 23, 27, 31
X	G2/O	a11, 16, 18, 23
C	G2/O	c1-10, 12-15, 19-32
B	G2/O	b1, 3-5, 7-15, 17, 19-22, 24-26, 28-30, 32
A	G2/O	a1-10, 12-15, 17, 19-22, 24-32
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

EC NO. I 2004-XXXX DRAWN: S. 09/09/03 CHK'G: L. 09/09/03 APPR'G: L. 09/09/03 C	REV	DESCRIPTION MAJOR CRITICAL	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	DIMENSIONS:		SHT	REV
						☒ mm ☐ INCH		☐ mm ☐ INCH	☒ mm ONLY	REVISION	
			4 PLACES ±0. ±.		DRAWN BY & DATE	TITLE: 96 POS MALE CONNECTOR					
			3 PLACES ±0. ±.		CHECKED BY & DATE	ACCORDING DIN 41612 STYLE C					
2 PLACES ±0. ±.		APPROVED BY & DATE	CONTACTS ARRANGEMENT				MOLEX INCORPORATED				
1 PLACE ±0. ±.		ANGULAR ± *	CAD FILENAME	MATERIAL NO.	DRAWING NO.	SHEET NO.					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SD-85003-9018.S01		85003-9018	SD-85003-9018	1 OF 1					
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.								SIZE D			