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Part Number:

0850037005

Status:

Active

Overview:

[din_41612](#)

Description:

2.54mm (.100") Pitch DIN 41612 C Style Male Header, Right Angle, Through Hole, 0.30µm (12µ") Selective Gold (Au) Plating, 96 Circuits, without Mounting Clips, No Flux Proof, Lead free, High Temperature version

Documents:

[Drawing \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

[Product Specification PS-85003-0001 \(PDF\)](#)

Agency Certification	
CSA	LR19980
UL	E29179
General	
Product Family	Backplane Connectors
Series	85003
Application	Backplane
Comments	No Mounting Clips. No Flux Proof
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-a32; B:b1-b32; C:c1-c32
Color - Resin	Natural
Durability (mating cycles max)	50
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	High Temperature Thermoplastic
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
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)	12
Plating min: Mating (µm)	0.30

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

Plating min: Termination (μin)	98
Plating min: Termination (μm)	2.5
Polarized to PCB	Yes
Stackable	No
Surface Mount Compatible (SMC)	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)

Solder Process Data

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Wave Capable (TH only)
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-85003-001
Product Specification	PS-85003-0001
Sales Drawing	SD-85003-7005

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A =	32 STANDARD CONTACTS	L = 3
B =	32 STANDARD CONTACTS	L = 3
C =	32 STANDARD CONTACTS	L = 3
S =	96 TOTAL NUMBER OF CONTACTS	

MARKING	STANDARD
PERFORMANCE LEVEL	G3/0 = CONTACT AREA LEVEL 3 / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	NO
DIMENSIONS	SD-85003-0001 SHT 6 (HIGH TEMPERATURE)

C	G3/0	c1-32
B	G3/0	b1-32
A	G3/0	a1-32
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

EC No. I 2004-XXXX DRAWN N.S. 09/09/03 CHECKED G.L. 09/09/03 APPROVAL APPR.G.L. 09/09/03		QUALITY SYMBOLS MAJOR CRITICAL	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± 0.1 $\pm .$ 3 PLACES ± 0.1 $\pm .$ 2 PLACES ± 0.1 $\pm .$ 1 PLACE ± 0.1 $\pm .$	SCALE DRAWN BY & DATE S.S. 22/05/01 CHECKED BY & DATE G.L. 22/05/01 APPROVED BY & DATE G.L. 22/05/01	DESIGN UNITS mm INCH CAD FILENAME SD-85003-7005.SD	THIRD ANGLE TITLE: 96 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE C CONTACTS ARRANGEMENT (HIGH TEMPERATURE) MOLEX INCORPORATED	DIMENSIONS: mm INCH mm ONLY mm INCH mm ONLY	SHIT REVISION ON CAD ONLY	REV 1 OF 1
EC No. I 2004-XXXX DRAWN N.S. 09/09/03 CHECKED G.L. 09/09/03 APPROVAL APPR.G.L. 09/09/03		QUALITY SYMBOLS MAJOR CRITICAL	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± 0.1 $\pm .$ 3 PLACES ± 0.1 $\pm .$ 2 PLACES ± 0.1 $\pm .$ 1 PLACE ± 0.1 $\pm .$	SCALE DRAWN BY & DATE S.S. 22/05/01 CHECKED BY & DATE G.L. 22/05/01 APPROVED BY & DATE G.L. 22/05/01	DESIGN UNITS mm INCH CAD FILENAME SD-85003-7005.SD	THIRD ANGLE TITLE: 96 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE C CONTACTS ARRANGEMENT (HIGH TEMPERATURE) MOLEX INCORPORATED	DIMENSIONS: mm INCH mm ONLY mm INCH mm ONLY	SHIT REVISION ON CAD ONLY	REV 1 OF 1