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Part Number: **0850037029**
Status: **Active**
Overview: [din_41612](#)
Description: 2.54mm (.100") Pitch DIN 41612 C Style Male Header, Right Angle, Through Hole, 0.80µm (32µ") Selective Gold (Au) Plating, 96 Circuits, with 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 With Mounting Clips. No Flux Proof. 5.4mm(.213")
 First-Mate-Last- 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:a2-a31; B:b2-b31, C:c2-
 c31 . First-Mate-Last- VBreak Contacts at: X:c1,c32;
 Y:b1,b32; Z:a1,a32
 Color - Resin Natural
 Durability (mating cycles max) 400
 First Mate / Last Break Yes
 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

EU RoHS

**ELV and RoHS
 Compliant**

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

China RoHS



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 environmental compliance?**

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 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 - Term. Interface (in)	0.100 In
Pitch - Term. Interface (mm)	2.54 mm
Plating min: Mating (μ in)	32
Plating min: Mating (μ m)	0.80
Plating min: Termination (μ in)	200
Plating min: Termination (μ m)	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)

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-85003-001
Product Specification	PS-85003-0001
Sales Drawing	SD-85003-7029

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VIEW ON MATING SIDE

○	X	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	X			
○	Y	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	Y			
○	Z	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	Z			
	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1

A = 30 STANDARD CONTACTS L = 3
 B = 30 STANDARD CONTACTS L = 3
 C = 30 STANDARD CONTACTS L = 3
 Z = 2 FMLB CONTACTS +0.6 L = 3
 Y = 2 FMLB CONTACTS +0.6 L = 3
 X = 2 FMLB 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	E-85003-0006 SHT 1-2

X	G2/O	c1,32
Y	G2/O	b1,32
Z	G2/O	a1,32
C	G2/O	c2-31
B	G2/O	b2-31
A	G2/O	a2-31
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

SL. NO.	DESCRIPTION	CONTACT SYMBOL	PART NUMBER	QTY
1	HOUSING		36521-0001	1
2	TERMINAL	A	36527-0005	30
3	TERMINAL	B	36527-0005	30
4	TERMINAL	C	36527-0005	30
5	TERMINAL	Z	36527-0011	2
6	TERMINAL	Y	36527-0011	2
7	TERMINAL	Z	36527-0011	2
8	FIXING CLIP	- - -	36526-0002	2

EC NO. I 2004-XXXX DRAWN N.S. 09/09/03 CHK'd G.L. 09/09/03 APPR G.L. 09/09/03	QUALITY SYMBOLS MAJOR \blacktriangledown CRITICAL ∇	GENERAL TOLERANCES: (UNLESS SPECIFIED) DIM INCH INCH	SCALE DESIGN UNITS <input checked="" type="checkbox"/> DIM <input type="checkbox"/> INCH	THIRD ANGLE PROJECTION <input checked="" type="checkbox"/> THIRD ANGLE <input type="checkbox"/> FIRST ANGLE	DIMENSIONS: <input type="checkbox"/> DIM INCH <input type="checkbox"/> INCH DIM <input checked="" type="checkbox"/> DIM ONLY	SHT REV REVISE ON CAD ONLY
	DRAWN BY & DATE N.S. 09/09/03	CHECKED BY & DATE G.L. 09/09/03	APPROVED BY & DATE G.L. 09/09/03	TITLE: 96 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE C CONTACTS ARRANGEMENT (HIGH TEMP CONNECTOR)		
	CAD FILENAME E-85003-7029.S01		MATERIAL NO. 85003-7029	DRAWING NO. E-85003-7029		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.			