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Part Number:

0850039036

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 \(PDF\)](#)

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. 5.2mm(.204") 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:a13,a22,a32,c12,c21; . First-Mate-Last-Break Contacts at: X:c1,c32; Y:b1,b32; Z:a1. Last-Mate-First-Break Contacts at: D:a2-a12,a14-a21,a23-a31; b2-b31; c2-c11,c13-c20,c22-c31
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



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 - Term. Interface (in)	0.100 In
Pitch - Term. Interface (mm)	2.54 mm
Plating min: Mating (µin)	32
Plating min: Mating (µm)	0.80
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)

Solder Process Data

Duration at Max. Process Temperature (seconds)	50
Lead-free Process Capability	SMC & Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	230

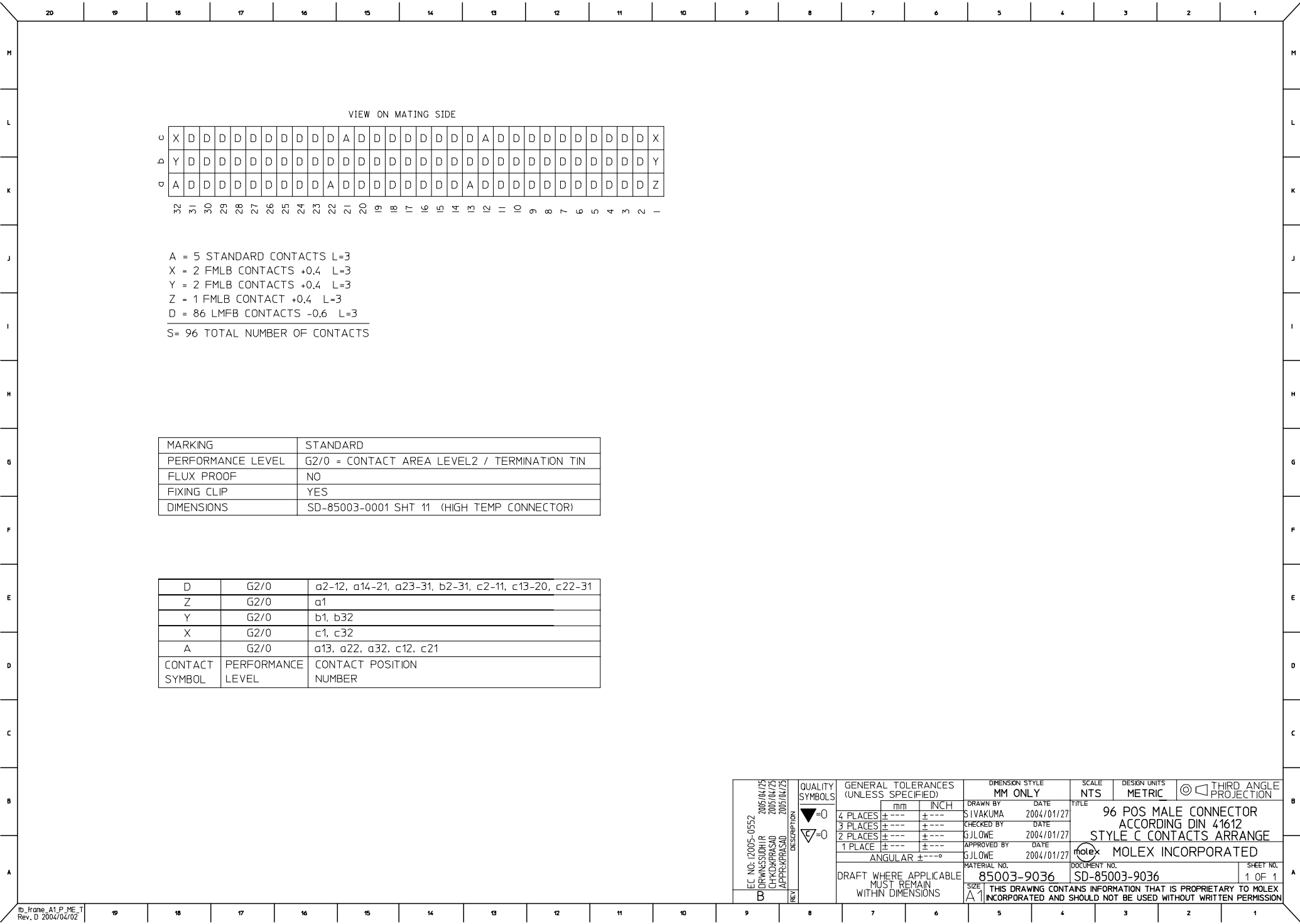
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-85003-001
Sales Drawing	SD-85003-0001, SD-85003-9036

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VIEW ON MATING SIDE

a	X	D	D	D	D	D	D	D	D	D	A	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	X					
b	Y	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	Y					
c	A	D	D	D	D	D	D	D	D	A	D	D	D	D	D	D	A	D	D	D	D	D	D	D	D	D	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 = 5 STANDARD CONTACTS L=3
X = 2 FMLB CONTACTS +0.4 L=3
Y = 2 FMLB CONTACTS +0.4 L=3
Z = 1 FMLB CONTACT +0.4 L=3
D = 86 LMFB CONTACTS -0.6 L=3
S= 96 TOTAL NUMBER OF CONTACTS

MARKING	STANDARD
PERFORMANCE LEVEL	G2/0 = CONTACT AREA LEVEL2 / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	YES
DIMENSIONS	SD-85003-0001 SHT 11 (HIGH TEMP CONNECTOR)

D	G2/0	a2-12, a14-21, a23-31, b2-31, c2-11, c13-20, c22-31
Z	G2/0	a1
Y	G2/0	b1, b32
X	G2/0	c1, c32
A	G2/0	a13, a22, a32, c12, c21
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

EC NO: I2005-0552
DRWNS: SURI
CHKD: KRASAD
APP: KRASAD

2005/04/25
2005/04/25
2005/04/25

DESCRIPTION

REV

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±---	±---
3 PLACES	±---	±---
2 PLACES	±---	±---
1 PLACE	±---	±---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SIZE A1

DIMENSION STYLE
MM ONLY

DRAWN BY	DATE
SIVAKUMA	2004/01/27
CHECKED BY	DATE
GJLOWE	2004/01/27
APPROVED BY	DATE
GJLOWE	2004/01/27

MATERIAL NO.
85003-9036

DOCUMENT NO.
SD-85003-9036

SHEET NO.
1 OF 1

SCALE
NTS

DESIGN UNITS
METRIC

THIRD ANGLE PROJECTION

96 POS MALE CONNECTOR
ACCORDING DIN 41612
STYLE C CONTACTS ARRANGE

MOLEX INCORPORATED

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