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Part Number:

0367180086

Status:

Active

Overview:

[din_41612](#)

Description:

2.54mm (.100") Pitch DIN 41612 Header, Style R, Male, Vertical, Through Hole, 0.6µm (24µ") Selective Gold (Au), PC Tail Length 18.00mm (.709"), 96 Circuits, Lead free

Documents:

[Drawing \(PDF\)](#)

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

[Product Specification PS-36511-001 \(PDF\)](#)

General	
Product Family	Backplane Connectors
Series	36718
Application	Daughtercard
Comments	No Mounting Clip
Component Type	PCB Header
Overview	din_41612
Product Name	IEC 603-2/DIN 41612
Style	R

Physical	
Circuits (Loaded)	96
Circuits (maximum)	96
Circuits Detail	1,2,3,...32; a+b+c
Color - Resin	Gray
Durability (mating cycles max)	400
First Mate / Last Break	No
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	32
Number of Pairs	Open Pin Field
Number of Rows	3
Orientation	Vertical
PC Tail Length (in)	0.709 In
PC Tail Length (mm)	18.00 mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness Recommended (in)	0.063 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)	24
Plating min: Mating (µm)	0.60
Polarized to PCB	Yes
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Through Hole

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

[36718Series](#)

Electrical

Current - Maximum per Contact	1A
Data Rate	622.0 Mbps
Voltage - Maximum	1000V (RMS)

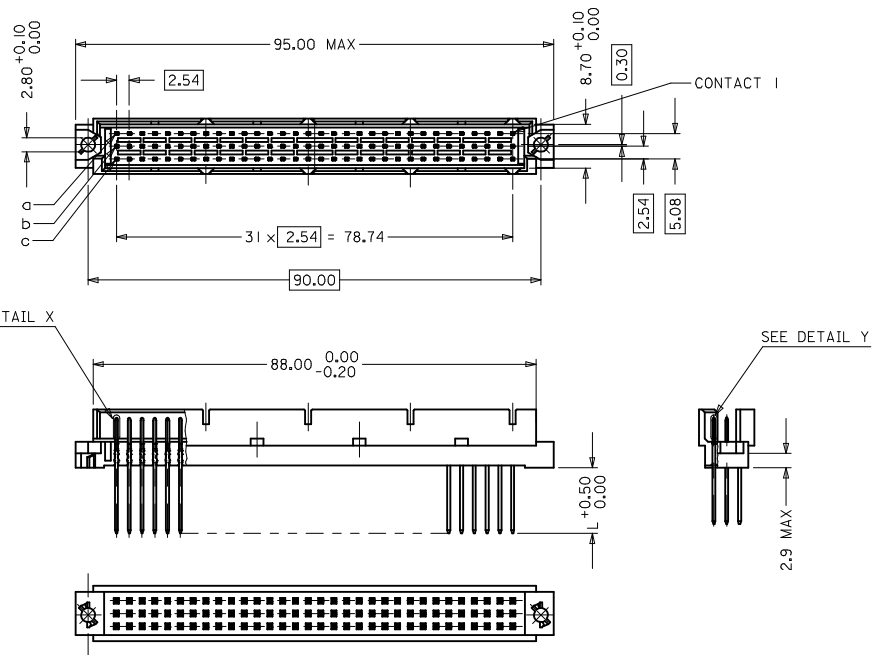
Material Info

Reference - Drawing Numbers

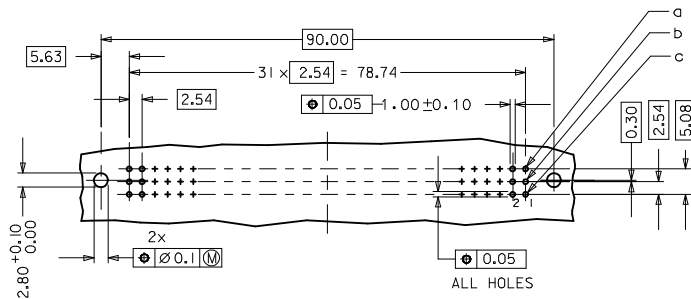
Packaging Specification	PK-36511-001
Product Specification	PS-36511-001
Sales Drawing	SD-36718-086

This document was generated on 05/13/2010

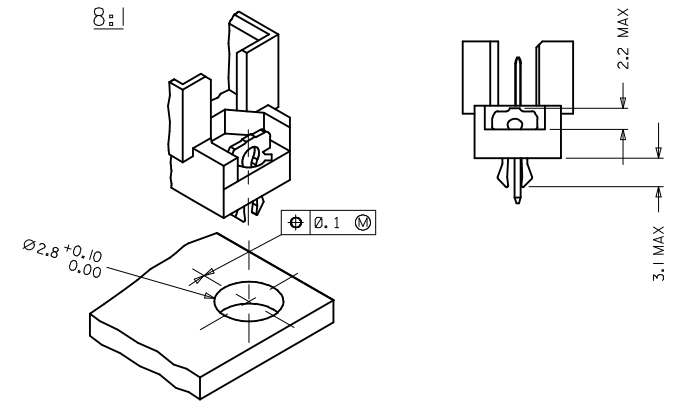
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RECOMMENDED PCB LAYOUT COMPONENT SIDE



WITH MOUNTING CLIPS



NOTES:

- MATERIALS: THERMOPLASTIC POLYESTER, GLASS FILLED,
UL94V-0, COLOUR: PEBBLE GREY RAL 7032
TERMINAL - BRASS
MOUNTING CLIP: STEEL
- FINISH: TERMINAL:-
CONTACT AREA & TERMINATION AREA
1. PERFORMANCE LEVEL 2: SELECTIVE GOLD (Au), THICKNESS = 0.6 MICROMETER
OVER NICKEL, THICKNESS = 1.25 MICROMETER
- MOUNTING CLIP:-
TIN (Sn), THICKNESS = 5-10 MICROMETER,
OVER NICKEL (Ni), THICKNESS = 2.5 MICROMETER
- FOR NON MOUNTING CLIP OPTION, CONNECTOR TO BE SECURED WITH
RIVETS: 2 TUBULAR RIVETS 2.5 x 0.3 ... DIN 7340
SCREWS: 2 CHEESEHEAD SCREWS M2.5 x ... DIN 84 AND 2 HEXAGONAL NUTS M2.5 DIN 934
- MATERIAL NUMBER, BATCH CODE, UL AND CSA MARKING
TO BE PRINTED ON THE CONNECTOR
- CUT FACE OF TIP WITHOUT PLATING PERMITTED
- PRODUCT SPECIFICATION PS : 36511-001

RoHS COMPLIANT

ENTER DESCRIPTION		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
EC NO: 12009-0569		DRAWN BY		mm		INCH		MM ONLY		METRIC	
2009/10/14		DATE		4 PLACES ± 0.05		SS		1999/09/24		TITLE	
2009/10/22		CHECKED BY		3 PLACES ± 0.1		GJLOWE		1999/09/24		ASSEMBLY, DIN 41612	
2009/10/22		APPROVED BY		2 PLACES ± 0.15		GJLOWE		1999/09/24		R MALE 96 POS	
2009/10/22		DATE		1 PLACE ± 0.15		GJLOWE		1999/09/24		WIRE WRAP L = 18	
2009/10/22		DATE		ANGULAR ± 2°		GJLOWE		1999/09/24		MOLEX INCORPORATED	
2009/10/22		DATE		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		GJLOWE		1999/09/24		SD-36718-086	
2009/10/22		DATE		SEE CHART		GJLOWE		1999/09/24		1 OF 2	
2009/10/22		DATE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		GJLOWE		1999/09/24			

	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1		
M	MATERIAL NO.	MOLEX ENG NO.		C-DOT PART NO.		PERF LEVEL	PLATING	CONTACT SEQUENCE/ROW		DIM "L" MM	MOUNTING CLIP	FMLB										M
	36718-0086	MM-B15W2-R960-105		MCC-RUMSWT96-073		2	Au + Ni	1,2,3...32 a+b+c		18	NO	NO										