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Part Number:

0365040051

Status:

Active

Overview:

[din_41612](#)

Description:

2.54mm (.100") Pitch C Style Male Header, Right Angle, Through Hole, 0.3 μm(12μ") Selective Gold (Au), 64 Circuits, First-Mate-Last-Break Pins, with Mounting Clips, Lead Free

Documents:	
3D Model	Product Specification PS-36502-001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

General	
Product Family	Backplane Connectors
Series	36504
Application	Daughtercard
Comments	With Mounting Clips, with Premating Contact Positions
Component Type	PCB Header
Overview	din_41612
Product Name	IEC 603-2/DIN 41612
Style	C
Physical	
Circuits (Loaded)	64
Circuits (maximum)	64
Circuits Detail	Standard Contacts at: a2-a31; c2-c31 . Premating Contacts at: a1,a32,c1,c32
Color - Resin	Gray
Durability (mating cycles max)	50
First Mate / Last Break	Yes
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	2
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
Plating min: Termination (μin)	98
Plating min: Termination (μm)	2.5
Polarized to PCB	Yes
Stackable	No

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

36504Series

Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	1.5A
Data Rate	622.0 Mbps
Voltage - Maximum	250V AC (RMS)

Material Info

Reference - Drawing Numbers

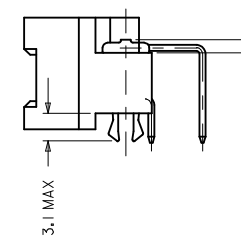
Packaging Specification	PK-36504-001
Product Specification	PS-36502-001
Sales Drawing	SD-36504-006

This document was generated on 05/13/2010

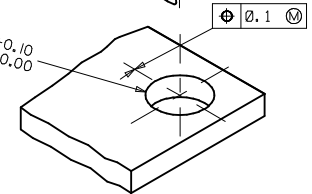
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WITH MOUNTING CLIPS

8 ± 1



Ø2.8 +0.10
0.00

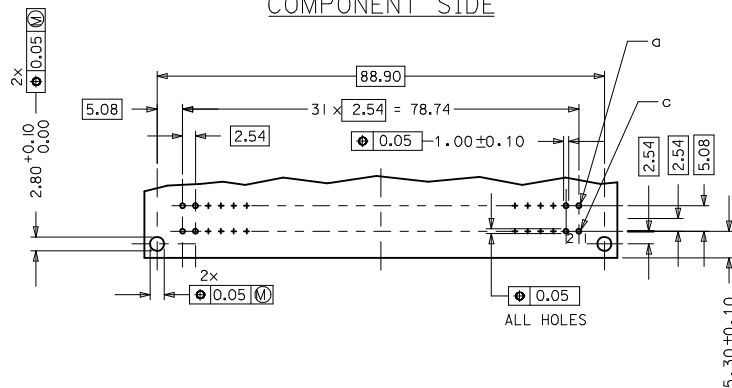


NOTES:

- 1) MATERIAL : THERMOPLASTIC POLYESTER, GLASS FILLED
UL94 V-0, COLOR : PEBBLE GREY RAL 7032
TERMINAL - BRASS
MOUNTING CLIP : STEEL
- 2) FINISH : TERMINAL
CONTACT AREA
1) PERFORMANCE LEVEL 3: SELECTIVE GOLD (Au), THICKNESS = 0.3 MICROMETER
OVER NICKEL, THICKNESS = 1.25 MICROMETER
TERMINATION AREA:
SELECTIVE TIN, THICKNESS = 2.5 MICROMETER
OVER NICKEL, THICKNESS = 1.25 MICROMETER OVERALL
- 3) MOUNTING CLIP :
TIN (Sn), THICKNESS = 5-10 MICROMETER
OVER NICKEL (Ni) THICKNESS = 2.5 MICROMETER
- 4) 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 HEXAGONAL NUTS M2.5 DIN 934
- 5) MATERIAL NUMBER, BATCH CODE, UL AND CSA MARKING
TO BE PRINTED ON THE CONNECTOR
- 6) CUT FACE OF TIP WITHOUT PLATING PERMITTED
- 7) PRODUCT SPECIFICATION PS: 36502-001

RoHS COMPLIANT

RECOMMENDED PCB LAYOUT COMPONENT SIDE



ENTER DESCRIPTION
EC NO: 12009-0311
DRAWN BY: DRWNPJT
CHKD BY: HARSHA
APPR: SPANDI
2009/02/02
2009/02/02
2009/02/03

A2

QUALITY
SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± 0.05	± 0.002
3 PLACES	± 0.005	± 0.0002
2 PLACES	± 0.10	± 0.004
1 PLACE	± 0.15	± 0.006
ANGULAR	± 2°	
DRAFT WHERE APPLICABLE	MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE MM ONLY

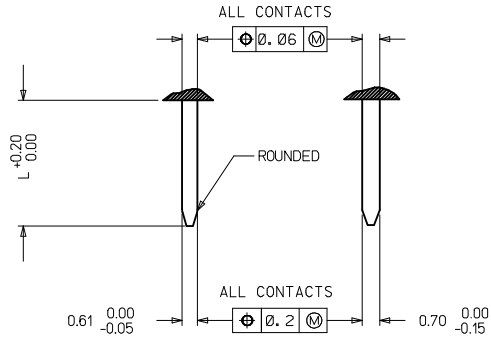
DRAWN BY	DATE
SURA J	2006/08/25
CHECKED BY	DATE
SHANKAR	2006/08/25
APPROVED BY	DATE
SSUDHIR	2006/08/25
MATERIAL NO.	
36504-0051	
SIZE	
A1	

SCALE 1:1
DESIGN UNITS METRIC
THIRD ANGLE PROJECTION

TITLE	ASSEMBLY, DIN 41612 C MALE POLARIZED 64 POS CODING WTH MOUNTING CLPS
MOLEX INCORPORATED	
DOCUMENT NO.	SD-36504-006
SHEET NO.	1 OF 2

	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
M	MATERIAL NUMBER	MOLEX ENG NO	PERF LEVEL	PLATING	STD. CONTACT SEQUENCE/ROW	PREMATING CONTACT POS.	MOUNTING CLIP													
	36504-0051	MM-B7600-C953	3	Au+Ni	a2-31, c2-31	a1, a32, c1, c32	YES													

DETAILY DETAILX



PRE MATING CONTACTS	5.4
NORMAL CONTACTS	4.8
	L

RoHS COMPLIANT

ENTER DESCRIPTION
EC NO: 1209-0311
DRAWN BY: CHYKOR HARSHA
APPROVED BY: SPANDI

2009/02/02
2009/02/02
2009/02/03

QUALITY SYMBOLS
▽=0
▽=0

DESCRIPTION
REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± 0.005	± 0.0002
3 PLACES	± 0.010	± 0.0004
2 PLACES	± 0.020	± 0.0008
1 PLACE	± 0.050	± 0.0020

ANGULAR ± 2 °

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY: SURAJ
DATE: 2006/08/25

CHECKED BY: SHANKAR
DATE: 2006/08/25

APPROVED BY: SSUDHIR
DATE: 2006/08/25

MATERIAL NO.
36504-0051

SIZE
A1

SCALE
1:1

DESIGN UNITS
METRIC

THIRD ANGLE PROJECTION

TITLE
ASSEMBLY, DIN 41612
C MALE POLARIZED 64 POS
CODING WTH MOUNTING CLPS

moLEX MOLEX INCORPORATED

DOCUMENT NO.
SD-36504-006

SHEET NO.
2 OF 2

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- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
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- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
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- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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