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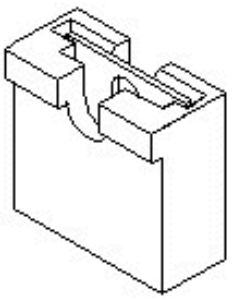
Part Number: 0900590017
Status: Active
Overview: cgrid_iii|cgrid__sl_products
Description: 2.54mm (.100") Pitch C-Grid® Micro Shunt, Low Profile, White Housing

Documents:
Drawing (PDF)
RoHS Certificate of Compliance (PDF)
Product Specification PS-90059 (PDF)



Series image - Reference only

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
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
90059Series

Use With
(0.64)/.025 square and round pins

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Accessories
Series	90059
Component Type	Shunt
Overview	cgrid_iii|cgrid__sl_products
Product Name	C-Grid®, C-Grid III™, SL™

Physical

Circuits (Loaded)	2
Circuits (maximum)	2
Color - Resin	Natural
Flammability	94V-0
Gender	Female
Lock to Mating Part	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Rows	1
Packaging Type	Bag
Plating min: Mating (µin)	200
Plating min: Mating (µm)	5
Plating min: Termination (µin)	200
Plating min: Termination (µm)	5
Polarized to Mating Part	Yes
Temperature Range - Operating	-65°C to +120°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	1.5A

Solder Process Data

Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Product Specification	PS-90059
Sales Drawing	SDA-90059

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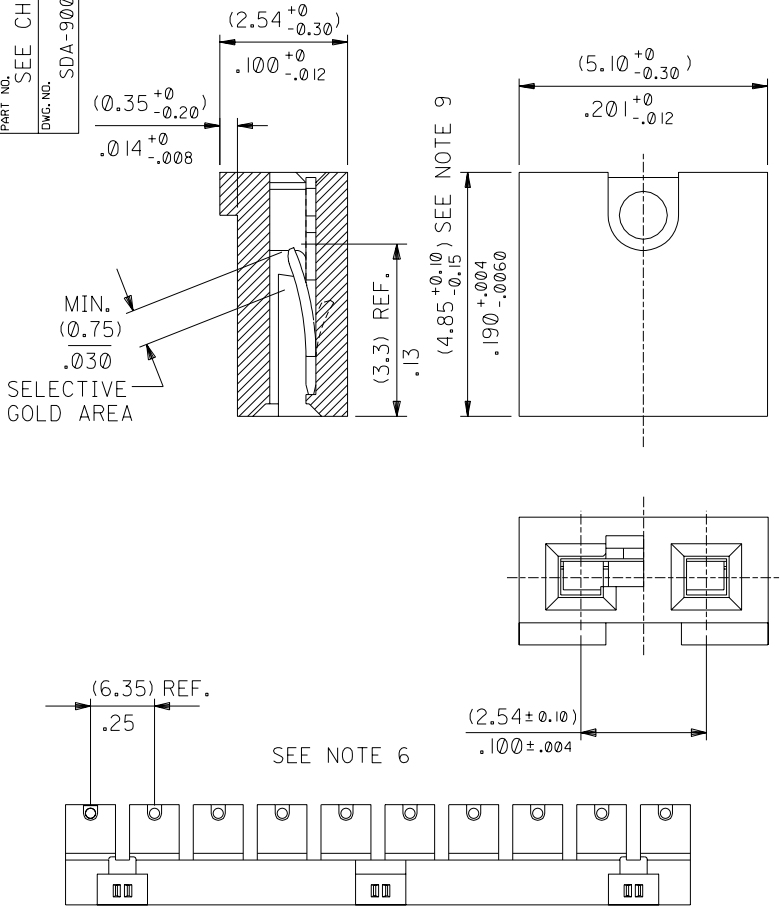
PART NO. SEE CHART
DWG. NO. SDA-90059



	SUPPLIED AS STRIP/LOOSE	PART No	TERMINAL PLATING	HSG. COLOUR	PACKAGING INNER QTY.	PACKAGING QTY.PER BOX
⑦	STRIP	90059-0007	TIN (5u)/.0002 MIN. OVER Ni (1.27u)/.00005 MIN.	BLACK	1000 pcs	20,000 pcs
	LOOSE	90059-1007	TIN (5u)/.0002 MIN. OVER Ni (1.27u)/.00005 MIN.	BLACK	10,000 pcs	40,000 pcs
	STRIP	90059-0009	GOLD (0.38u)/.000015 MIN IN CONTACT AREA OVER NICKEL (1.27u)/.00005 IN CONTACT AREA WITH NICKEL (0.2u)/.000008 OVERALL MIN.	WHITE	1000 pcs	20,000 pcs
	LOOSE	90059-1009	GOLD (0.38u)/.000015 MIN IN CONTACT AREA OVER NICKEL (1.27u)/.00005 IN CONTACT AREA WITH NICKEL (0.2u)/.000008 OVERALL MIN.	WHITE	10,000 pcs	40,000 pcs
	STRIP	90059-0011	GOLD (0.38u)/.000015 MIN IN CONTACT AREA OVER NICKEL (1.27u)/.00005 IN CONTACT AREA WITH NICKEL (0.2u)/.000008 OVERALL MIN.	BLACK	1000 pcs	20,000 pcs
⑧	STRIP	90059-0012	GOLD (0.76u)/.000030 MIN IN CONTACT AREA OVER NICKEL (1.27u)/.00005 IN CONTACT AREA WITH NICKEL (0.2u)/.000008 OVERALL MIN.	WHITE	1000 pcs	20,000 pcs
⑧	STRIP	90059-0013	0.76um OF Ni UNDER 3 - 5 um OF TIN	BLACK	1000 pcs	20,000 pcs
⑧	STRIP	90059-0014	GOLD (0.1u)/.000004 MIN OVERALL OVER (1.0u)/.00004 MIN NICKEL OVERALL	WHITE	1000 pcs	20,000 pcs
	STRIP	90059-0015	GOLD (1.0u)/.00004 MIN IN CONTACT AREA OVER NICKEL (0.76u)/.00003 IN CONTACT AREA WITH NICKEL (0.2u)/.000008 OVERALL MIN.	WHITE	1000 pcs	20,000 pcs
	STRIP	90059-0016	GOLD (0.38u)/.000015 MIN IN CONTACT AREA OVER NICKEL (1.27u)/.00005 IN CONTACT AREA WITH NICKEL (0.2u)/.000008 OVERALL MIN.	RED	1000 pcs	20,000 pcs
	LOOSE	90059-1011	GOLD (0.38u)/.000015 MIN IN CONTACT AREA OVER NICKEL (1.27u)/.00005 IN CONTACT AREA WITH NICKEL (0.2u)/.000008 OVERALL MIN.	BLACK	10,000 pcs	40,000 pcs
	STRIP	90059-0017	TIN (5u)/.0002 MIN. OVER Ni (1.27u)/.00005 MIN.	WHITE	1000 pcs	20,000 pcs
	STRIP	90059-0018	GOLD (0.38u)/.000015 MIN IN CONTACT AREA OVER NICKEL (1.27u)/.00005 IN CONTACT AREA WITH NICKEL (0.2u)/.000008 OVERALL MIN.	BLUE	1000 pcs	20,000 pcs
	STRIP	90059-0020	GOLD (0.1u)/.000004 MIN OVERALL OVER (1.0u)/.00004 MIN NICKEL OVERALL	BLACK	1000 pcs	20,000 pcs
	LOOSE	90059-1020	GOLD (0.1u)/.000004 MIN OVERALL OVER (1.0u)/.00004 MIN NICKEL OVERALL	BLACK	10,000 pcs	40,000 pcs

NOTES:
1. HOUSING MATERIAL: POLYESTER 30% GLASS FILLED.
2. TERMINAL MATERIAL: PHOSPHOR BRONZE.
3. THIS PART IS STACKABLE, END TO END AND SIDE BY SIDE ON (2.54)/.100 CENTRES.
4. SHUNT WILL ACCEPT (0.64)/.025 SQUARE AND ROUND PINS.
5. MAX. PROBE DIA. (0.9)/.035.
6. PARTS SUPPLIED IN STRIPS OF TEN OR AS LOOSE PIECE (SEE CHART).
⑦ VERSIONS 90059-0007,90059-0009 PREFERRED IN EUROPE/AMERICA.
⑧ VERSIONS 90059-0013,90059-0014,90059-0015 PREFERRED IN FAR EAST.
9 DIMENSION APPLIES TO MOULDED HOUSING ONLY. BREAK-OFF (5.10)/.201 MAX.

REV	DESCRIPTION	DATE	APPR.
2	AR		
1	AR		

CHANGE TIN/LEAD TO TIN. UPDATE LOOSE PKT. QTY.
EC NO. E20004-0584 DRWN: M MCS 04/01/05 CHK: / / APPR: / /

AR

QUALITY SYMBOLS
MAJOR ▼ =
CRITICAL C =

GENERAL TOLERANCES: (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±0.	±.
3 PLACES	±0.	±.
2 PLACES	±0.05	±.
1 PLACE	±0.10	±.
ANGULAR: ±	1°	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SCALE 10:1 | DESIGN UNITS ☒mm ☐INCH | THIRD ANGLE PROJECTION

DIMENSIONS: ☒ mm/INCH ☐ INCH/mm ☐ mm ONLY | SHT REVISE ON CAD ONLY | REV

DRAWN BY & DATE: mcc 86/04/08
CHECKED BY & DATE: dbrennan 00/07/26
APPROVED BY & DATE: mwlhite 00/07/26
CAD FILENAME:

TITLE: 2.54mm C-Grid Micro Shnt

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DRAWING NO.: SDA-90059
SHEET NO.: 1 of 2

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SIZE B

7132-1283