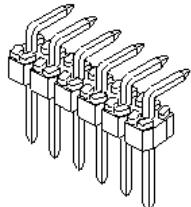


**Part Number: 90121-0045**

2.54mm Pitch C-Grid III™ Header, Single Row, Right Angle, 5 Circuits, Tin (Sn) Plating



Series image - Reference only

<b>Status:</b>	<b>OBsolete</b>
<b>Replacement:</b>	Contact Molex
<b>Series:</b>	90121
<b>Category:</b>	PCB Headers
<b>Overview:</b>	<a href="#">C-Grid III™</a>

**Product Environmental Compliance**EU RoHS: ELV and RoHS CompliantChina RoHS: REACH SVHC: Contains SVHC: NoLow-Halogen Status: Not Reviewed**Part Detail****General**

<b>Status</b>	<b>Obsolete</b>
<b>Category</b>	PCB Headers
<b>Series</b>	<a href="#">90121</a>
<b>Application</b>	Signal, Wire-to-Board
<b>Overview</b>	<a href="#">C-Grid III™</a>
<b>Product Name</b>	C-Grid III™

**Physical**

Breakaway	Yes
Circuits (Loaded)	5
Circuits (maximum)	5
Color - Resin	Black
Durability (mating cycles max)	30
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	None
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Rows	1
Orientation	Right Angle
PC Tail Length	2.90mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Packaging Type	Tray
Pitch - Mating Interface	2.54mm
Pitch - Termination Interface	2.54mm
Plating min - Mating	3.048µm
Plating min - Termination	3.048µm
Polarized to Mating Part	No
Polarized to PCB	No
Shrouded	No
Stackable	Yes
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Through Hole

**Electrical**

(Please review the Product Specification for specific details.)

Current - Maximum per Contact	3A
Voltage - Maximum	350V AC/DC

**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**

UPC	800753715059
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**Application Tooling**

**Application Tooling**

Tooling specifications and manuals are found by selecting the products below.

Crimp Height Specifications are then contained in the Application Tooling Specification document.

**Previously Available Application Tooling**

[Check our list of old tooling that used to be available for this part](#)