

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0702471051](#)  
**Status:** **Active**  
**Overview:** C-Grid® Products  
**Description:** 2.54mm Pitch C-Grid® Header, Dual Row, Low Profile, Right Angle, Shrouded, 10 Circuits, 0.38µm Gold (Au) Selective Plating, Tin (Sn) PC Tail Plating

**Documents:**

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Drawing \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

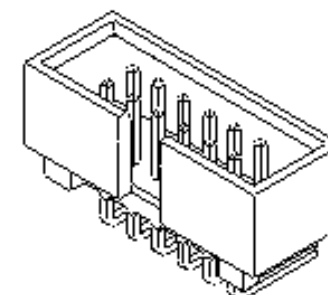
Product Family PCB Headers  
 Series [70247](#)  
 Application Signal, Wire-to-Board  
 Overview [C-Grid® Products](#)  
 Product Name C-Grid®  
 UPC 822348487974

**Physical**

Breakaway No  
 Circuits (Loaded) 10  
 Circuits (maximum) 10  
 Color - Resin Black  
 Durability (mating cycles max) 50  
 First Mate / Last Break No  
 Flammability 94V-0  
 Glow-Wire Compliant No  
 Guide to Mating Part No  
 Keying to Mating Part None  
 Lock to Mating Part None  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin Polyester  
 Net Weight 1.645/g  
 Number of Rows 2  
 Orientation Right Angle  
 PC Tail Length 3.05mm  
 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 0.381µm  
 Plating min - Termination 1.905µm  
 Polarized to Mating Part Center Slot  
 Shrouded Fully  
 Stackable No  
 Temperature Range - Operating -55°C to +120°C  
 Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 2.5A



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Yes -ED/39/2015 (15 June 2015)  
 Acetamide, N-methyl-dinoseb (ISO)  
 furan  
 C,C'-azodi(formamide)  
 tricosafuorododecanoic acid  
 heptacosafuorotetradecanoic acid  
 methoxyacetic acid  
 1,2-diethoxyethane  
 hencosafuoroundecanoic acid  
 sodium  
 peroxometaborate  
 pentacosafuorotridecanoic acid  
 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidi  
 Disodium tetraborate  
 Boric acid  
 Trixylyl phosphate  
 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated  
 Methylhexahydrophthalic anhydride  
 Sodium perborate; perboric acid, sodium salt  
 propylene oxide  
 diethyl sulphate  
 #,#-Bis[4-(dimethylamino)phenyl]-4(phenylamino)

**China RoHS**

Voltage - Maximum 250V DC

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 010  
Lead-free Process Capability WAVE  
Max. Cycles at Max. Process Temperature 001  
Process Temperature max. C 235

**Material Info**

**Reference - Drawing Numbers**

Sales Drawing SDA-70247-\*\*00-04

[4-[[4-Anilino-1-naphthyl][4-(dimethylamino)phen  
Diboron-trioxide  
4,4'-  
bis(dimethylamino)-4''-  
(methylamino)trityl  
[4-[4,4'-  
Bis(dimethylamino)benzhydrylidene]cyclo  
1,2-bis(2-  
methoxyethoxy)ethane  
N,N,N',N'-  
tetramethyl-4,4'-  
methyldianiline  
4,4'-  
bis(dimethylamino)benzophenone  
formamide  
Boric acid, disodium  
salt, hydrate  
Tris(2-chloroethyl)  
phosphate  
1-bromopropane  
1,2-dichloroethane  
1,2,3-  
Trichloropropane  
Trichloroethylene  
Silicic acid (H<sub>2</sub>Si<sub>2</sub>O<sub>5</sub>),  
barium salt (1:1),  
lead-

**Halogen-Free  
Status**

**Not Low-Halogen**

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environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any  
non-product compliance questions.

China ROHS  
ELV

Green Image  
Not Relevant

**Search Parts in this Series**  
[70247](#) Series

**Mates With**  
[70450](#) SL™ Crimp Housing, [70058](#) SL™  
Crimp Terminal

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