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Part Number: [0901210285](#)
Status: **Active**
Description: 2.54mm (.100") Pitch C-Grid III™ Header, Single Row, Right Angle 5 Circuits, Gold (Au) Plating

Documents:

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-99020-0001 \(PDF\)](#)

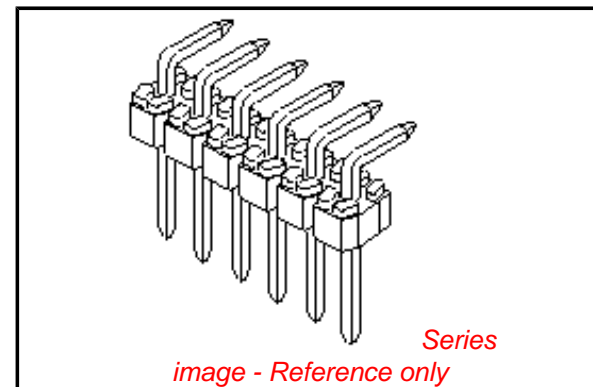
General

Product Family	PCB Headers
Series	90121
Application	Wire-to-Board
Product Name	C-Grid III™

Physical

Breakaway	Yes
Circuits (Loaded)	5
Circuits (maximum)	5
Color - Resin	Black
Durability (mating cycles max)	200
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	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Rows	1
Orientation	Right Angle
PC Tail Length (in)	0.114 In
PC Tail Length (mm)	2.90 mm
PCB Locator	No
PCB Retention	None
PCB Thickness Recommended (in)	0.063 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Bag
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)	15.2
Plating min: Mating (µm)	0.38
Plating min: Termination (µin)	120
Plating min: Termination (µm)	3
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



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
[90121Series](#)

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

Reference - Drawing Numbers

Product Specification	PS-99020-0001
Sales Drawing	SDA-90121

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PART NO. SEE CHART
 DWG. NO. SDA-90121

CIRCUIT SIZE	PLATING TYPE B	PLATING TYPE C	PLATING TYPE D	PLATING TYPE G
	PART NO.	PART NO.	PART NO.	PART NO.
1 X 1	90121-0281	90121-0441	90121-0601	90121-1081
1 X 2	↑ -0282	↑ -0442	↑ -0602	↑ -1082
1 X 3	-0283	-0443	-0603	-1083
1 X 4	-0284	-0444	-0604	-1084
1 X 5	-0285	-0445	-0605	-1085
1 X 6	-0286	-0446	-0606	-1086
1 X 7	-0287	-0447	-0607	-1087
1 X 8	-0288	-0448	-0608	-1088
1 X 9	-0289	-0449	-0609	-1089
1 X 10	-0290	-0450	-0610	-1090
1 X 11	-0291	-0451	-0611	-1091
1 X 12	-0292	-0452	-0612	-1092
1 X 13	-0293	-0453	-0613	-1093
1 X 14	-0294	-0454	-0614	-1094
1 X 15	-0295	-0455	-0615	-1095
1 X 16	-0296	-0456	-0616	-1096
1 X 17	-0297	-0457	-0617	-1097
1 X 18	-0298	-0458	-0618	-1098
1 X 19	-0299	-0459	-0619	-1099
1 X 20	-0300	-0460	-0620	-1100
1 X 21	-0301	-0461	-0621	-1101
1 X 22	-0302	-0462	-0622	-1102
1 X 23	-0303	-0463	-0623	-1103
1 X 24	-0304	-0464	-0624	-1104
1 X 25	-0305	-0465	-0625	-1105
1 X 26	-0306	-0466	-0626	-1106
1 X 27	-0307	-0467	-0627	-1107
1 X 28	-0308	-0468	-0628	-1108
1 X 29	-0309	-0469	-0629	-1109
1 X 30	-0310	-0470	-0630	-1110
1 X 31	-0311	-0471	-0631	-1111
1 X 32	-0312	-0472	-0632	-1112
1 X 33	-0313	-0473	-0633	-1113
1 X 34	-0314	-0474	-0634	-1114
1 X 35	-0315	-0475	-0635	-1115
1 X 36	-0316	-0476	-0636	-1116
1 X 37	-0317	-0477	-0637	-1117
1 X 38	-0318	-0478	-0638	-1118
1 X 39	↓ -0319	↓ -0479	↓ -0639	↓ -1119
1 X 40	90121-0320	90121-0480	90121-0640	90121-1120

DIM C (±0.20)
 (6.75)
 .266

DIM D (±0.25)
 (2.90)
 .114

CIRCUIT SIZE	PLATING TYPE B	PLATING TYPE C	PLATING TYPE D	PLATING TYPE G
	PART NO.	PART NO.	PART NO.	PART NO.
1 X 1	90121-0201	90121-0361	90121-0521	90121-1001
1 X 2	↑ -0202	↑ -0362	↑ -0522	↑ -1002
1 X 3	-0203	-0363	-0523	-1003
1 X 4	-0204	-0364	-0524	-1004
1 X 5	-0205	-0365	-0525	-1005
1 X 6	-0206	-0366	-0526	-1006
1 X 7	-0207	-0367	-0527	-1007
1 X 8	-0208	-0368	-0528	-1008
1 X 9	-0209	-0369	-0529	-1009
1 X 10	-0210	-0370	-0530	-1010
1 X 11	-0211	-0371	-0531	-1011
1 X 12	-0212	-0372	-0532	-1012
1 X 13	-0213	-0373	-0533	-1013
1 X 14	-0214	-0374	-0534	-1014
1 X 15	-0215	-0375	-0535	-1015
1 X 16	-0216	-0376	-0536	-1016
1 X 17	-0217	-0377	-0537	-1017
1 X 18	-0218	-0378	-0538	-1018
1 X 19	-0219	-0379	-0539	-1019
1 X 20	-0220	-0380	-0540	-1020
1 X 21	-0221	-0381	-0541	-1021
1 X 22	-0222	-0382	-0542	-1022
1 X 23	-0223	-0383	-0543	-1023
1 X 24	-0224	-0384	-0544	-1024
1 X 25	-0225	-0385	-0545	-1025
1 X 26	-0226	-0386	-0546	-1026
1 X 27	-0227	-0387	-0547	-1027
1 X 28	-0228	-0388	-0548	-1028
1 X 29	-0229	-0389	-0549	-1029
1 X 30	-0230	-0390	-0550	-1030
1 X 31	-0231	-0391	-0551	-1031
1 X 32	-0232	-0392	-0552	-1032
1 X 33	-0233	-0393	-0553	-1033
1 X 34	-0234	-0394	-0554	-1034
1 X 35	-0235	-0395	-0555	-1035
1 X 36	-0236	-0396	-0556	-1036
1 X 37	-0237	-0397	-0557	-1037
1 X 38	-0238	-0398	-0558	-1038
1 X 39	↓ -0239	↓ -0399	↓ -0559	↓ -1039
1 X 40	90121-0240	90121-0400	90121-0560	90121-1040

DIM C (±0.20)
 (5.75)
 .226

DIM D (±0.25)
 (2.90)
 .114

NOTES:
 FOR PLATING VARIATIONS SEE
 ENG.STD. SDES-99000-0003.

**NON-STANDARD PRODUCTS
 NOT FOR GENERAL RELEASE**

FOR PREVIOUS
 DRAWING ISSUES
 SEE MRI.

H SEE SHEET I.

LTR	REVISIONS	DRWG BY	REVISE ONLY ON CAD SYSTEM		SHL	REV.
	UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°	DB	CAD/CAM FILENAME	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
	INCH (METRIC)	CHK'D BY	TITLE			
	3 PLACE ± . ---	APP'D BY	C-GRID III SINGLE ROW RIGHT ANGLE HEADER			
2 PLACE ± . ---	SCALE	DESIGN DIMENSION (PRIMARY) <input type="checkbox"/> IN. <input checked="" type="checkbox"/> (MM)		SHEET NO. DATE		
1 PLACE ± ---		EQUIVALENT DIMENSION (SECONDARY) <input type="checkbox"/> IN. <input checked="" type="checkbox"/> (MM)		50F 16/ 7/87		
		PART NO. SEE CHART		DWG NO. SDA-90121		SIZE B