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Part Number: 0010897741

Status: **Active**

Description: 2.54mm (.100") Pitch C-Grid® Breakaway Header, Dual Row, Vertical, High Temperature, 74 Circuits, Tin (Sn) Plating, 2.72mm (.107") PC Tail Length

Documents:

3D Model Product Specification PS-70280 (PDF) Drawing (PDF) RoHS Certificate of Compliance (PDF)

Agency Certification

LR19980 CSA UL E29179

General

Product Family PCB Headers Series 70280

Board-to-Board, Wire-to-Board Application

Product Name C-Grid®

Physical

Breakaway Yes Circuits (Loaded) 74 Circuits (maximum) 74 Color - Resin Black Durability (mating cycles max) 25 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 - Metal Copper Alloy

Material - Plating Mating Material - Plating Termination Tin

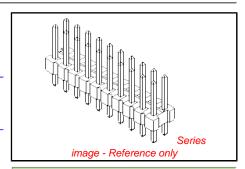
Material - Resin High Temperature Thermoplastic

Number of Rows

Orientation Vertical 0.110 In PC Tail Length (in) PC Tail Length (mm) 2.79 mm **PCB** Locator Nο **PCB** Retention None PCB Thickness Recommended (in) 0.062 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 Plating min: Mating (µin) 150 Plating min: Mating (µm) 3.75 Plating min: Termination (µin) 150 Plating min: Termination (µm) 3.75 Polarized to Mating Part No Polarized to PCB No Shrouded No

Temperature Range - Operating -40°C to +105°C Termination Interface: Style Through Hole

Yes



China RoHS

EU RoHS ELV and RoHS Compliant **REACH SVHC** Not Reviewed Halogen-Free Status

Not Reviewed

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

70280 Series

Stackable

Electrical

3A 250V Current - Maximum per Contact Voltage - Maximum

Solder Process Data

Lead-free Process Capability Process Temperature max. C SMC & Wave Capable (TH only)

260

Material Info

Old Part Number 70280-0037

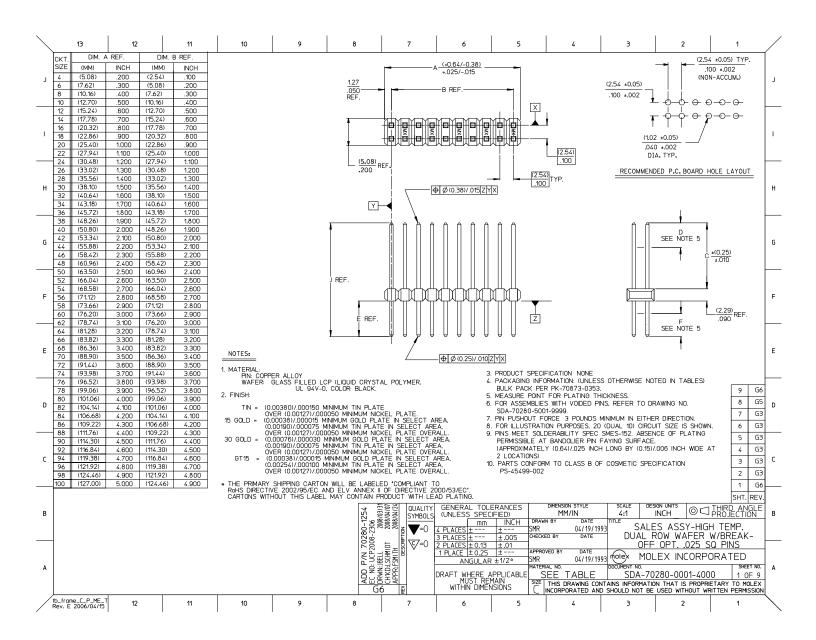
Reference - Drawing Numbers

Product Specification PS-70280

Sales Drawing SDA-70280-0001-4000

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	13		12	11	10	9		8	7	,	6	5		4	3		2	1		_/
	ENGINEERING NUMBER A-70280-		RELEASE FOR			E REF.		REF.	C +(0.25)			CONNECTOR END		PLATING	P.C. BOARD END		PLATING	FOR PACKAGI INFORMATION,	NG SEE	
			MANUFACTURE						±10.257			TYPE	D MEAS.		TYPE	F MEAS.		NOTE 4, SHEE (UNLESS OTHER SPECIFIED BEL	RWISE LOW)	١,
	-000	1/-0040	R.F.M.			(2.72) ,107		(11.10) .437	(6.10) .240			TIN	(2.54) .100		TIN	(1,27) .050] [
_	-004	1/-0080	R.F.M.			(2.72)		(11,10) ,437	(6.10) .240			15 GOLD	(2.54)		TIN	(1.27) .050				-
	-0081/-0120		R.F.M.			(2,72)		(11,10) .437	(6,10)			30 GOLD	(2,54)		TIN	(1.27)				1
1	-0121/-0160		R.F.M.			(2,79)		(13.21)	(8.13) .320			TIN	(4.57)		TIN	(1.27)				1
	-0161	1/-0200	R.F.M.			(2.79) .110		(13,21) .520	(8,13) .320			15 GOLD	(4.57) .180		TIN	(1.27) .050				1_
	-0201/-0240		R.F.M.			(2,79)		(13.21) .520	(8,13) .320			30 GOLD	(4,57) ,180		TIN	(1,27)				1
н	-024	1/-0280	R.F.M.			(3.94)		(12.32)	(6.10)			30 GOLD	(2.54)		TIN	(1,27)				┪ н
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\dashv	04	N.A.	AX-70280-0		AX-70280-0041	N.A.	AX-70280-0		N.A.	AX-70280-01			280-0161	N/A		280-0201	N/A	AX-70280-0241		
	04	010-89-70		02 010-89-7042 03 010-89-7062		010-89-7040	A-70280-00 A-70280-00		97-7045 97-7065	A-70280-012 A-70280-012			280-0162 280-0163	010-89-7043			010-87-9045	A-70280-0242 A-70280-0243	04	4
	08	010-89-70		04 010-89-7082	A-70280-0044	010-89-7080	A-70280-00	84 010-	97-7085	A-70280-012			280-0164	010-89-7083		80-0204	010-87-9085	A-70280-0243	08	1
G	10	010-89-710	1 A-70280-00	05 010-89-7102	A-70280-0045	010-89-7100	A-70280-00	85 010-	97-7105	A-70280-012	5 010-97-7	7106 A-702	280-0165	010-89-7103	A-702	80-0205	010-87-9105	A-70280-0245	10	- G
	12	010-89-712				010-89-7120	A-70280-00	86 010-	97-7125	A-70280-012			280-0166	010-89-7123			010-87-9125	A-70280-0246	12	1
	14	010-89-714				010-89-7140	A-70280-00		97-7145	A-70280-012			280-0167	010-89-7143		80-0207	010-87-9145	A-70280-0247	14	1
	16	010-89-716				010-89-7160	A-70280-00		97-7165	A-70280-012			280-0168	010-89-7163			010-87-9165	A-70280-0248	16	_
	18	010-89-718				010-89-7180	A-70280-00		97-7185	A-70280-012			280-0169	010-89-7183		80-0209	010-87-9185	A-70280-0249	18	_
	20	010-89-72				010-89-7200	A-70280-00		97-7205	A-70280-013			280-0170	010-89-7203		80-0210	010-87-9205	A-70280-0250	20	4
	22 24	010-89-72				010-89-7220 010-89-7240	A-70280-00 A-70280-00		97-7225 97-7245	A-70280-013 A-70280-013			280-0171 280-0172	010-89-7223		80-0211 80-0212	010-87-9225	A-70280-0251 A-70280-0252	22	4
F	26	010-89-72				010-89-7240	A-70280-00			A-70280-013			280-0173	010-89-7243		80-0212	010-87-9245		26	- F
	28	010-89-72				010-89-7280	A-70280-00			A-70280-013			280-0174	010-89-7283			010-87-9285		28	4
	30	010-89-73				010-89-7300	A-70280-00		97-7305	A-70280-013			280-0175	010-89-7303		80-0215	010-87-9305	A-70280-0255	30	+
	32	010-89-73				010-89-7320	A-70280-00			A-70280-013			280-0176	010-89-7323		80-0216	010-87-9325	A-70280-0256	32	4
	34	010-89-73	41 A-70280-00			010-89-7340	A-70280-00			A-70280-013			280-0177	010-89-7343			010-87-9345		34	$\overline{}$
	36	010-89-73			A-70280-0058	010-89-7360	A-70280-00		97-7365	A-70280-013		7366 A-702	280-0178	010-89-7363	A-702	80-0218	010-87-9365		36	1
	38	010-89-73				010-89-7380	A-70280-00		97-7385	A-70280-013		7386 A-702	280-0179	010-89-7383	A-702	80-0219	010-87-9385	A-70280-0259	38	1
Ε	40	010-89-74				010-89-7400	A-70280-010		97-7405	A-70280-014			280-0180	010-89-7403			010-87-9405	A-70280-0260	40	E
	42	010-89-74				010-89-7420	A-70280-010		97-7425	A-70280-014			280-0181	010-89-7423		80-0221	010-87-9425	A-70280-0261	42	_
	44	010-89-74				010-89-7440	A-70280-010		97-7445	A-70280-014			280-0182	010-89-7443			010-87-9445	A-70280-0262	44	4
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	48 50	010-89-74				010-89-7480 010-89-7500	A-70280-010 A-70280-010		97-7485 97-7505	A-70280-014			280-0184 280-0185	010-89-7483			010-87-9485	A-70280-0264 A-70280-0265	48 50	4
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	54	010-89-75				010-89-7540	A-70280-010			A-70280-014			280-0187	010-89-7543		80-0227	010-87-9545	A-70280-0267	54	+
D	56	010-89-75				010-89-7560	A-70280-010			A-70280-014			280-0188	010-89-7563			010-87-9565		56	- D
	58	010-89-75		29 010-89-7582	A-70280-0069	010-89-7580	A-70280-010			A-70280-014			280-0189	010-89-7583			010-87-9585		58	1
	60	010-89-76	01 A-70280-00	30 010-89-7602	A-70280-0070	010-89-7600	A-70280-011	10 010-	97-7605	A-70280-015	0 010-97-7	7606 A-702	280-0190	010-89-7603	A-702	80-0230	010-87-9605	A-70280-0270	60	1
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	66	010-89-76				010-89-7660	A-70280-011		97-7665	A-70280-015			280-0193	010-89-7663		80-0233	010-87-9665	A-70280-0273	66	
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	76	010-89-77				010-89-7760	A-70280-011		97-7765	A-70280-015			280-0198	010-89-7763		80-0238	010-87-9765		76	1
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