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Part Number: 0015446804

Status: Active

Overview: carid sl products

2.54mm (.100") Pitch C-Grid® Receptacle, Through Hole, Dual Row, High Profile, **Description:**

Vertical, High-Temperature, 4 Circuits

Documents:

Product Specification PS-70181 (PDF) 3D Model Drawing (PDF) RoHS Certificate of Compliance (PDF)

Agency Certification

LR19980 CSA UI F29179

General

Product Family PCB Receptacles

Series 71850

Board-to-Board Application Overview cgrid_sl_products

Product Name C-Grid®

Physical

Circuits (Loaded) 4 Color - Resin Black Durability (mating cycles max) 25 Flammability 94\/-0 Glow-Wire Compliant No

Material - Metal Phosphor Bronze

Material - Plating Mating Material - Plating Termination Tin

Material - Resin High Temperature Thermoplastic

Number of Rows Orientation Vertical 0.120 In PC Tail Length (in) PC Tail Length (mm) 3.05 mm PCB Locator Nο **PCB** Retention None PCB Thickness Recommended (in) 0.062 In PCB Thickness Recommended (mm) 1.60 mm Packaging Type Tray 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 PCB No

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

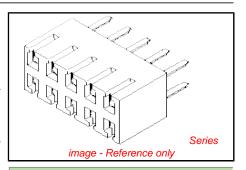
Electrical

Current - Maximum per Contact 2.5A Voltage - Maximum 250V

Solder Process Data

Lead-free Process Capability SMC & Wave Capable (TH only)

Process Temperature max. C 260



China RoHS

EU RoHS ELV and RoHS Compliant **REACH SVHC**

Not Reviewed Halogen-Free

Status Not Reviewed



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

71850 Series

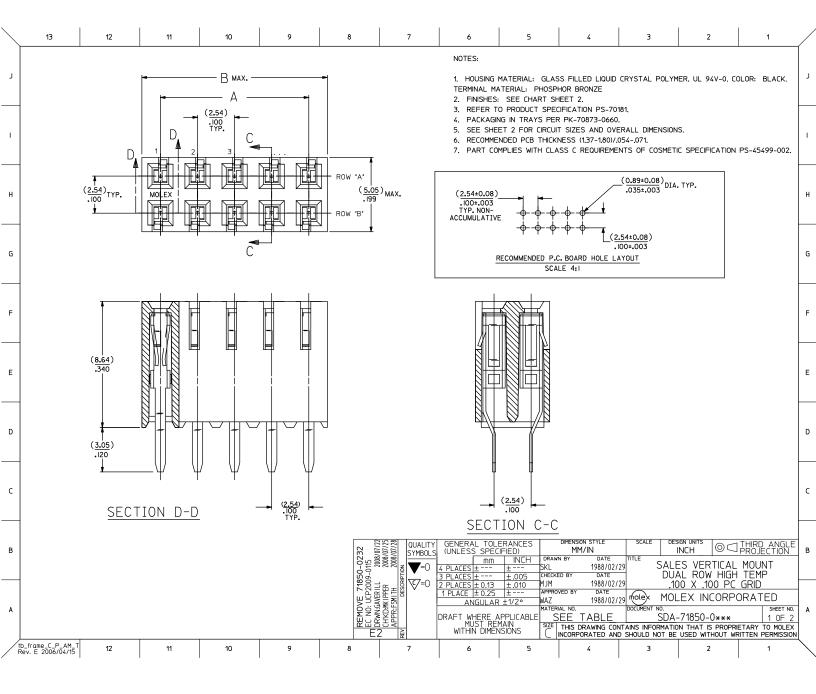
Mates With

8624, 70203, 70246 Straight Header, 70247 Right Angle Header, 70287, 70289 , <u>70227</u>, <u>70567</u>, <u>70280</u>, <u>70524</u>, <u>70260</u>, 8723, 70568, 8724, 71764, 70229, 70216 **Material Info**

Old Part Number 71850-0065

Reference - Drawing Numbers
Packaging Specification
Product Specification
Sales Drawing PK-70873-0660 PS-70181 SDA-71850-0***

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1	13	12	11	10	9	8	7	6	5	4		3	2		1	
CK	KT. SIZE	TE	TERMINAL: 70172-0004 PLATING: TIN			TERMINAL: 70172-0006 PLATING: 15 GOLD		TERMINAL: 70172-0008 PLATING: 30 GOLD								
PER R	OW TOTAL	IFDP NO	IFNG NO	RELEASED FOR MANUFACTURING	IFDP NO	OIFNG NO	RELEASED FOR MANUFACTURING	ledp no	IFNG NO	RELEASED FOR MANUFACTURING	D1	M."A"	DII	V."B" I inch	MM	THE
2	4	15-44-6804	A-71850-0065		15-44-5804	A-7 I850-0 I29		15-44-5104	A-71850-0193		2,54	.100	5.05	.199	MM	INCH
3	6	15-44-6806	A-71850-0066		15-44-5806	A-71850-0130		15-44-5106	A-71850-0194		5,08	.200	7,59	.299		
4	8	15-44-6808	A-71850-0067		15-44-5808	A-71850-0131		15-44-5108	A-7 I850-0 I95		7,62	.300	10,13	.399		
5	10	15-44-6810	A-71850-0068		15-44-5810	A-7 1850-0 132		15-44-5110	A-71850-0196		10,16	. 400	12,67	.499		
6	12	15-44-6812	A-71850-0069		15-44-5812	A-7 1850-0 133		15-44-5112	A-71850-0197		12,70	.500	15,21	.599		
7	14	15-44-6814	A-71850-0070		15-44-5814	A-7 1850-0 134		15-44-5114	A-7 1850-0 198		15,24	.600	17,75	.699		
8	16	15-44-6816	A-71850-0071		15-44-5816	A-7 1850-0 135	+	15-44-5116	A-71850-0199		17,78	.700	20,29	.799		
9 10	18 20	15-44-6818 15-44-6820	A-71850-0072 A-71850-0073		15-44-5818 15-44-5820	A-7 I850-0 I36 A-7 I850-0 I37		15-44-5118 15-44-5120	A-71850-0200 A-71850-0201		20,32	.800	22,83 25,37	.899		
10	20	15-44-6822	A-71850-0073		15-44-5822	A-71850-0137		15-44-5122	A-71850-0201		22 , 86 25 , 40	.900 I.000	27,91	1.099		
12	24	15-44-6824	A-71850-0075		15-44-5824	A-71850-0139		15-44-5124	A-71850-0203		27,94	1.100	30,45	1.199		
13	26	15-44-6826	A-71850-0076		15-44-5826	A-71850-0140		15-44-5126	A-71850-0204		30,48	1.200	32,99	1.299		
14	28	15-44-6828	A-71850-0077		15-44-5828	A-71850-0141		15-44-5128	A-71850-0205		33,02	1.300	35,53	1.399		
15	30	15-44-6830	A-71850-0078		15-44-5830	A-7 I850-0 I42		15-44-5130	A-71850-0206		35,56	1.400	38,07	1.499		
16	32	15-44-6832	A-71850-0079		15-44-5832	A-7 I850-0 I43		15-44-5132	A-71850-0207		38,10	1.500	40,61	1.599		
17	34	15-44-6834	A-71850-0080		15-44-5834	A-7 1850-0 144		15-44-5134	A-71850-0208		40,64	1.600	43,15	1.699		
18	36	15-44-6836	A-71850-0081		15-44-5836	A-7 1850-0 145	1	15-44-5136	A-71850-0209		43,18	1.700	45,69	1.799	\vdash	
19	38	15-44-6838	A-71850-0082		15-44-5838	A-7 I850-0 I46	+	15-44-5138	A-71850-0210	1	45,72	1.800	48,23	1.899	\vdash	
20		15-44-6840	A-71850-0083		15-44-5840	A-71850-0147	+	15-44-5140	A-71850-0211		48,26	1.900	50,77 53,31	2.099		
21 22	42 44	15-44-6842 15-44-6844	A-71850-0084 A-71850-0085		15-44-5842 15-44-5844	A-7 I850-0 I48 A-7 I850-0 I49		15-44-5142 15-44-5144	A-71850-0212 A-71850-0213		50,80 53,34	2.000	55,85	2,199		
23		15-44-6846	A-71850-0085		15-44-5846	A-7 1850-0 150		15-44-5146	A-71850-0213		55,88	2.200	58,39	2.299		
24		15-44-6848	A-71850-0087		15-44-5848	A-7 1850-0151		15-44-5148	A-7 I850-02 I5		58,42	2.300	60,93	2.399		
25	50	15-44-6850	A-71850-0088		15-44-5850	A-7 I850-0 I52		15-44-5150	A-7 I850-02 I6		60,96	2.400	63,47	2.499		
26		15-44-6852	A-71850-0089		15-44-5852	A-7 I850-0 I53		15-44-5152	A-71850-0217		63,50	2.500	66,01	2.599		
27	54	15-44-6854	A-71850-0090		15-44-5854	A-7 I850-0 I54		15-44-5154	A-71850-0218		66,04	2.600	68,55	2.699		
28	56	15-44-6856	A-71850-0091		15-44-5856	A-7 I850-0 I55		15-44-5156	A-7 I850-02 I9		68,58	2.700	71,09	2.799		
29		15-44-6858	A-71850-0092		15-44-5858	A-7 I850-0 I56		15-44-5158	A-71850-0220		71,12	2.800	73,63	2.899		
30		15-44-6860	A-71850-0093		15-44-5860	A-7 I850-0 I57		15-44-5160	A-71850-0221		73,66	2.900	76,17	2.999		
31	62	15-44-6862	A-71850-0094		15-44-5862	A-71850-0158		15-44-5162	A-71850-0222		76,20	3.000	78,71	3.099	-	
32	64	15-44-6864 15-44-6866	A-71850-0095 A-71850-0096		15-44-5864 15-44-5866	A-71850-0159 A-71850-0160	+	15-44-5164 15-44-5166	A-71850-0223 A-71850-0224		78,74 81,28	3.100 3.200	81,25 83,79	3.199		
33 34		15-44-6868	A-71850-0098		15-44-5868	A-7 1850-0 16 I		15-44-5168	A-71850-0225		83,82	3.300	86,33	3.399		
35		15-44-6870	A-71850-0098		15-44-5870	A-7 I850-0 I62		15-44-5170	A-71850-0226		86,36	3.400	88,87	3.499		
36		15-44-6872	A-71850-0099		15-44-5872	A-7 I850-0 I63		15-44-5172	A-71850-0227		88,90	3.500	91,41	3.599		
37		15-44-6874	A-71850-0100		15-44-5874	A-7 I850-0TIN		15-44-5174	A-71850-0228		91,44	3.600	93,95	3.699		
38		15-44-6876	A-71850-0101		15-44-5876	A-7 I850-0 I65		15-44-5176	A-71850-0229		93,98	3.700	96,49	3.799		
39	78	15-44-6878	A-71850-0102		15-44-5878	A-7 I850-0 I66		15-44-5178	A-71850-0230		96,52	3.800	99,03	3.899		
40	80	15-44-6880	A-71850-0103		15-44-5880	A-7 1850-0 167		15-44-5180	A-71850-0231		99,06	3.900	101,57	3.999		
15 GC	NICKEL UN DLD - (0.38 MICR (1.90 MICRO NICKEL UN DLD - (0.76 MICR	METERS)/150 MICI DERPLATE OVERA OMETERS)/15 MICI METERS)/75 MICR DERPLATE OVERA OMETERS)/30 MIC	ROINCHES MINIMUN ROINCHES MINIMUM ALL. CROINCHES MINIMU	1 GOLD PLATE TIN IN SELECT M GOLD PLATE	IN SELECT ARE AREA OVER	= 718 CP200	QUALITY SYMBOLS NOTIFIED TO THE PROPERTY OF T	GENERAL TOLE (UNLESS SPEC PLACES ± PLACES ± PLACES ± 0.13 PLACE ± 0.25 ANGULAR	FIED DRA'	DIMENSION STYLE MM/IN WN BY DATE 1988/0 (ED BY DATE 1988/0 DVED BY DATE 1988/0	2/29 2/29	SAL DU .1	ESIGN UNITS INCH ES VER IAL ROW 00 X .10 LEX IN	TICAL N HIGH OO PC C	TEMP <u>IRID</u> RATED	
		METERS)/75 MICE DERPLATE OVERA	ROINCHES MINIMUM ALL.	IIN IN SELECT	AREA OVER	E2	APPR.	RAFT WHERE A MUST REN WITHIN DIMEN	PPLICABLE SIZE	SEE TABLE THIS DRAWING C	ONTAINS	SDA		PROPRIET	ARY TO M	0F 2