



Distributor of FCI: Excellent Integrated System Limited

Datasheet of 68684-305 - Connector Receptacle 5 Position 0.100" (2.54mm) Gold Through Hole

Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

Excellent Integrated System Limited

Stocking Distributor

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[FCI](#)

[68684-305](#)

For any questions, you can email us directly:

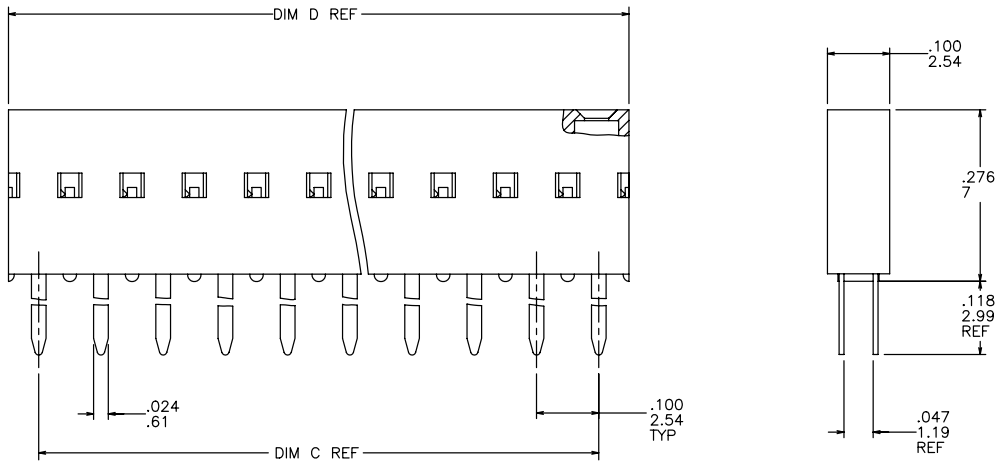
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PRODUCT NO.

SEE TABLE

68684 - XXX LF
 LEAD FREE OPTION
 PACKAGING OPTIONS OMIT IF NOT REQUIRED.
 NO. OF POSITIONS PER ROW
 PLATING CODE
 BASE PART NUMBER



mat'l. code	surface	tolerance	projection	product family
	ISO 1302	ISO 406		DUBOX
ltr ecn nqdr date	tolerances unless otherwise specified		INCH/MM	title
N N-005188 SH 2011-8-16	angles	.XX ±0.1/3	scale 4:1	DUBOX S/R, DBL. ENTRY
G V11677 GIP 01/22/02	linea	.XXX ±.005/.13		VERT. CARD CONN. ASS'Y.
H V03-0309 HTB 04/28/03	0°±2'	.XXX ±.000/.05		dwg no 68684 sheet 1 of 3 size A3
J V05-0463 DPU 06/27/05	dr	S. RAMP	2/25/91	type Product Customer Drawing
K M06-0237 MN 06/19/06	engr	M. HAHN	2/25/91	
L M06-0433 AGS 10/31/06	chr	M. HAHN	2/25/91	
M M07-0198 MHT 4/24/05	oppd	M. HAHN	2/25/91	
sheet revision	N	N		
index sheet	1	2	3	

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PRODUCT NO NOTE 7	PLATING CONTACT AREA, MIN	PLATING SOLDER COAT	SOLDER RESIST LEGS NOTE 8
68684-2XX	15u"/.38u Au OR GXT, OVER 50u"/1.27u Ni	100u"/160u" SN 2.54u/4.06u	NO
68684-3XX	30u"/.76u Au OR GXT, OVER 50u"/1.27u Ni	100u"/160u" SN 2.54u/4.06u	YES
68684-4XX	100u"/160u" SN 2.54u/4.06u	100u"/160u" SN 2.54u/4.06u	NO
68684-6XX	30u"/.76u Au OR GXT, OVER 50u"/1.27u Ni	100u"/160u" SN 2.54u/4.06u	YES
68684-8XX	30u"/.76u Au OVER 50u"/1.27u Ni	100u"/160u" SN 2.54u/4.06u	YES

OBSOLETE

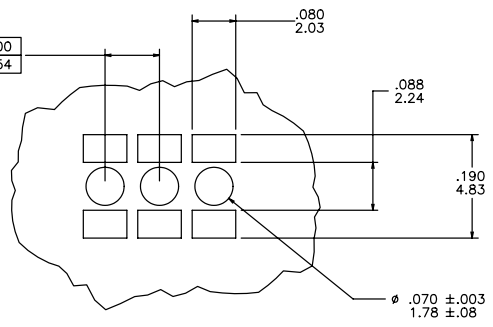


FIGURE A

NOTES:

- ① MATERIAL HOUSING: PPS FILLED, COLOR - BLACK, FLAME RETARDANT PER UL-94V-0. THIS PART WILL WITHSTAND EXPOSURES TO 260°C PEAK TEMPERATURE FOR 20 SECONDS IN WAVE SOLDER, INFRA-RED OR VAPOR PHASE SOLDER PROCESS.
- 2 MATERIAL TERMINAL: PHOSPHOR BRONZE.
- 3 RECOMMENDED APPLICATION DATA:
 - A. RECOMMENDED HOLE PATTERN IS SHOWN IN FIGURE A.
 - B. ALL MATING PINS TO BE .025/.64 SQUARE ON TRUE CENTER OF GIVEN TERMINAL SPACINGS WITHIN .015/.38 DIA
 - C. SUGGESTED MATING PIN LENGTH .210±.020/5.33±.51
 - D. TERMINALS CAN ONLY BE USED FOR PC BOARD WITH NON PLATED THROUGH HOLES.
 - E. RECOMMENDED PC BOARD THICKNESS: .062/1.58
4. FCI, FCI FINAL PART NUMBER AND DATE CODE TO BE MARKED ON TUBE LABEL.
5. PREPLATED STAMPED TERMINALS.
- ⑥ PASSIVATE NICKEL ON INSIDE OF LEGS TO PREVENT SOLDER FROM CLOSING BOTTOM ENTRY HOLE.
- ⑦ ADD LF SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
- 8 THESE PRODUCTS MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
- 9 "THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT ENVIRONMENT".

mat'l. code	surface ISO 1302	tolerance ISO 406 ISO 1101	projection	product family DUBOX
ltr/ecn nbar date	tolerances unless otherwise specified		INCH/MM	title DUBOX S/R, DBL. ENTRY VERT. CARD CONN. ASS'Y.
N	angles 0°±2'	linear XX ±.01/3 XXX ±.005/13 XXXX ±.0020/08	scale 4:1	dwg no 68684
dr	S. RAMP	2/25/91		shee 2 of 3 size A3
engr	M. HAHN	2/25/91		type Product Customer Drawing
chr	M. HAHN	2/25/91		
appd	M. HAHN	2/25/91		
sheet index	revision sheet			

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PRODUCT NO	NO. OF POSITION	DIM C	DIM D	LF OPTION	PRODUCT NO	NO. OF POSITION	DIM C	DIM D	LF OPTION
68684-Y02	1 X 2	.100/2.54	.217/5.51		68684-Y36	1 X 36	3.500/88.90	3.617/91.87	
-Y03	1 X 3	.200/5.08	.317/8.05		-Y37	1 X 37	3.600/91.44	3.717/94.41	
-Y04	1 X 4	.300/7.62	.417/10.59		-Y38	1 X 38	3.700/93.98	3.817/96.95	
-Y05	1 X 5	.400/10.16	.517/13.13		-Y39	1 X 39	3.800/96.52	3.917/99.49	
-Y06	1 X 6	.500/12.70	.617/15.67		-Y40	1 X 40	3.900/99.06	4.017/102.03	
-Y07	1 X 7	.600/15.24	.717/18.21		-Y41	1 X 41	4.000/101.60	4.117/104.57	
-Y08	1 X 8	.700/17.78	.817/20.75		-Y42	1 X 42	4.100/104.14	4.217/107.11	
-Y09	1 X 9	.800/20.32	.917/23.29		-Y43	1 X 43	4.200/106.68	4.317/109.65	
-Y10	1 X 10	.900/22.86	1.017/25.83		-Y44	1 X 44	4.300/109.22	4.417/112.19	
-Y11	1 X 11	1.000/25.40	1.117/28.37		-Y45	1 X 45	4.400/111.76	4.517/114.73	
-Y12	1 X 12	1.100/27.94	1.217/30.91		-Y46	1 X 46	4.500/114.30	4.617/117.27	
-Y13	1 X 13	1.200/30.48	1.317/33.45		-Y47	1 X 47	4.600/116.84	4.717/119.81	
-Y14	1 X 14	1.300/33.02	1.417/35.99		-Y48	1 X 48	4.700/119.38	4.817/122.35	
-Y15	1 X 15	1.400/35.56	1.517/38.53		-Y49	1 X 49	4.800/121.92	4.917/124.89	
-Y16	1 X 16	1.500/38.10	1.617/41.07		68684-Y50	1 X 50	4.900/124.46	5.017/127.43	
-Y17	1 X 17	1.600/40.64	1.717/43.61						
-Y18	1 X 18	1.700/43.18	1.817/46.15						
-Y19	1 X 19	1.800/45.72	1.917/48.69						
-Y20	1 X 20	1.900/48.26	2.017/51.23						
-Y21	1 X 21	2.000/50.80	2.117/53.77						
-Y22	1 X 22	2.100/53.34	2.217/56.31						
-Y23	1 X 23	2.200/55.88	2.317/58.85						
-Y24	1 X 24	2.300/58.42	2.417/61.39						
-Y25	1 X 25	2.400/60.96	2.517/63.93						
-Y26	1 X 26	2.500/63.50	2.617/66.47						
-Y27	1 X 27	2.600/66.04	2.717/69.01						
-Y28	1 X 28	2.700/68.58	2.817/71.55						
-Y29	1 X 29	2.800/71.12	2.917/74.09						
-Y30	1 X 30	2.900/73.66	3.017/76.63						
-Y31	1 X 31	3.000/76.20	3.117/79.17						
-Y32	1 X 32	3.100/78.74	3.217/81.71						
-Y33	1 X 33	3.200/81.28	3.317/84.25						
-Y34	1 X 34	3.300/83.82	3.417/86.79						
68684-Y35	1 X 35	3.400/86.36	3.517/89.33						

NOTE 7

NOTE 7

mat'l. code	surface	tolerance	projection	product family
ISD 1302	ISO 1302	ISO 406	ISO 1101	DUBOX
tr/ecn n/dnr date	tolerances unless otherwise specified	INCH/MM	scale 4:1	title
N	angles	0°±2'	XX ±0.1/3	DUBOX S/R, DBL. ENTRY
	linea	XXX ±0.05/13	XXX ±0.020/05	VERT. CARD CONN. ASS'Y.
	dr	S. RAMP	2/25/91	dwg no
	enr	M. HAHN	2/25/91	68684
	chr	M. HAHN	2/25/91	sheet 3 of 3 size A3
	appd	M. HAHN	2/25/91	type Product Customer Drawing
sheet index	revision sheet			

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