

TECHNICALS FEATURES

MATERIAL

INSULATOR : Special PPS (Polyphenylene Sulfide Fiberglass filled thermoplastic) UL 94-V0

- Radiation resistance
- No humidity absorption
- Oxygen free

Note : PPS characteristics are recognized for space applications

CRIMPING SIGNAL CONTACTS :

- Female :**
- **Body** : Copper alloy / Ni + Au 0.2µ
 - **Socket body** : Beryllium copper / Ni + Au 1.25µ

ELECTRICAL for LF Contacts

- **All contacts** : 3 A max. @ 25°C
2.2 A max. @ 85°C
- **Working voltage (sea level)** : Tested at 800 V DC
- **Proof voltage** : Tested at 1200 V DC
- **Contact resistance (initially)** : max. 10 mΩ
- **Insulation resistance** : 1000 MΩ min

MECHANICAL for LF Contacts

- **Mechanical operations** : 500 cycles min. up to 2500.
- **Contact insertion and withdrawal force** : 2 N max. / 0.2 N min.
- **Contact retention in insulator** : 10 N min.
- **Contact replacement in insulator** : 3 cycles

ENVIRONMENTAL

- **Temperature range** : From -60°C to +260°C
- **Vibration severity** : 0.75mm, 10 g RMS 6 hours long random with superimposed sinusoid. No intermencies measured when using an H.S.L.I. (High Speed Logic Interrupt) detector with a trip threshold of 2 ns.
- **Shock severity** : 100g for 6 ms
- **Solvent resistance** : HcFc 141 bMGX (ATOCHM) solvent
- **Salt spray test** : 96 hrs
- **Humidity test** : 56 days @ 90% Humidity



CONNECTOR SERIES 220 FEMALE

LF contacts number nn	Distance in mm between axes			Length in mm	LF contacts reference mark number							
	A	B	C		D	E	F	G				
04	2	9	14	1	2	3	4					
06	4	11	16	1	3	4	6					
08	6	13	18	1	4	5	8					
10	8	15	20	1	5	6	10					
12	10	17	22	1	6	7	12					
14	12	19	24	1	7	8	14					
16	14	21	26	1	8	9	16					
18	16	23	28	1	9	10	18					
20	18	25	30	1	10	11	20					
22	20	27	32	1	11	12	22					
24	22	29	34	1	12	13	24					
26	24	31	36	1	13	14	26					
28	26	33	38	1	14	15	28					
30	28	35	40	1	15	16	30					
32	30	37	42	1	16	17	32					
34	32	39	44	1	17	18	34					
36	34	41	46	1	18	19	36					
38	36	43	48	1	19	20	38					
40	38	45	50	1	20	21	40					
42	40	47	52	1	21	22	42					
44	42	49	54	1	22	23	44					
46	44	51	56	1	23	24	46					
48	46	53	58	1	24	25	48					
50	48	55	60	1	25	26	50					
52	50	57	62	1	26	27	52					
54	52	59	64	1	27	28	54					
56	54	61	66	1	28	29	56					
58	56	63	68	1	29	30	58					
60	58	65	70	1	30	31	60					

Tools recommended for LF contacts	Cramping following cable instruction ICLF01	
LF contacts insertion & withdrawal tool		C12935
Daniels MH800 hand crimp tool		MH800
Positionner K1692 for Daniels MH800 tool		C12929
AWG22 crimp tool setting		Position 6

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2	21/02/11	N.P.	A.V.	E.M.
Iss	Date	Drawn	Checked	Approved

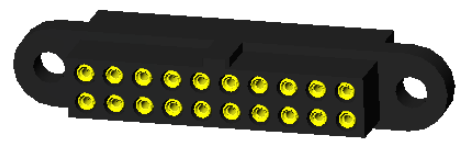
Item : Connector CMM220 female on cables AWG22, nn LF contacts, without fixing

Folder : X:\Méthodes\Plans clients\Plans clients 2D\10 - CMM220\Connecteurs femelles\222C\222CnnMxx_cl

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Catalogue Reference : 222CnnMxx

	General tolerance ±0.2	Scale 2:1	Page 1/1
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Marking as referenced in the CMM catalogue pages 12 & 13