



TECHNICALS FEATURES

MATERIAL

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

- Radiation resistance
- No humidity absorption
- Oxygen free

Note : PPS characteristics are recognized for space applications

CRIMPING SIGNAL CONTACTS :

Male :
• Body Copper alloy / Ni + Au 1µ

FIXING HARDWARE :

- Jackscrew : Stainless steel

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. per contact
- 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 intermittencies 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 (ATOCHEM) solvent
- Salt spray test 96 hrs
- Humidity test 56 days @ 90% humidity

Crimping following cable instruction ICLF01
Marking as referenced in the CMM catalogue pages 12 & 13

CONNECTOR SERIES 320 MALE										
LF contact number	Distance between the axes in mm		Length in mm	LF contacts reference mark number						
	A	B		C	D	E	F	G	H	J
006	2	11	17	1	2	3	4	5	6	
009	4	13	19	1	3	4	6	7	9	
012	6	15	21	1	4	5	8	9	12	
015	8	17	23	1	5	6	10	11	15	
018	10	19	25	1	6	7	12	13	18	
021	12	21	27	1	7	8	14	15	21	
024	14	23	29	1	8	9	16	17	24	
027	16	25	31	1	9	10	18	19	27	
030	18	27	33	1	10	11	20	21	30	
033	20	29	35	1	11	12	22	23	33	
036	22	31	37	1	12	13	24	25	36	
039	24	33	39	1	13	14	26	27	39	
042	26	35	41	1	14	15	28	29	42	
045	28	37	43	1	15	16	30	31	45	
048	30	39	45	1	16	17	32	33	48	
051	32	41	47	1	17	18	34	35	51	
054	34	43	49	1	18	19	36	37	54	
057	36	45	51	1	19	20	38	39	57	
060	38	47	53	1	20	21	40	41	60	
063	40	49	55	1	21	22	42	43	63	
066	42	51	57	1	22	23	44	45	66	
069	44	53	59	1	23	24	46	47	69	
072	46	55	61	1	24	25	48	49	72	
075	48	57	63	1	25	26	50	51	75	
078	50	59	65	1	26	27	52	53	78	
081	52	61	67	1	27	28	54	55	81	
084	54	63	69	1	28	29	56	57	84	
087	56	65	71	1	29	30	58	59	87	
090	58	67	73	1	30	31	60	61	90	
093	60	69	75	1	31	32	62	63	93	
096	62	71	77	1	32	33	64	65	96	
099	64	73	79	1	33	34	66	67	99	
102	66	75	81	1	34	35	68	69	102	
105	68	77	83	1	35	36	70	71	105	
108	70	79	85	1	36	37	72	73	108	
111	72	81	87	1	37	38	74	75	111	
114	74	83	89	1	38	39	76	77	114	
117	76	85	91	1	39	40	78	79	117	
120	78	87	93	1	40	41	80	81	120	

Tools recommended	
LF contacts insertion & withdrawal tool	P/N C12935
Recommended hand crimp tool	P/N MH800
Recommended positionner K 1692	P/N C12929
AWG22 crimp tool setting	Position 6

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2	19/01/10	N.P.	E.M.	D.Z.
Iss	Date	Drawn	Checked	Approved

Item : Connector CMM320 male on cables
AWG 22, nnn LF contacts , H01

Folder : X:\Méthodes\Plans clients\Plans clients 2D\24 - CMM320\Connecteur Mâles\321C\321CnnnH01_cl

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Catalogue Reference : **321CnnnH01**

	General tolerance ±0.2	Scale 2:1	Page 1/1
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