

1 GENERAL

1.1 SCOPE

This specification details the ratings, physical and electrical characteristics, test and inspection data for Connectors, Electrical, Rectangular, Microminiature, Removable Gauge 26 Crimp Contacts, based on Type 8MCG.

The following ESCC Specifications, the requirements of which are supplemented herein, are associated with this specification:

- ESCC Generic Specification No. 3401, Connectors, Electrical, Non-Filtered, Circular and Rectangular.
- ESCC Detail Specification No. 3401/081, Connectors, Electrical, Rectangular, Microminiature, Non-removable Gauge 26 PCB Pin Contacts, Based on Type 8MCG.
- ESCC Detail Specification No. 3401/083, Contacts, Electrical, Crimp, Gauge 26, for 3401/082 Connectors.
- ESCC Detail Specification No. 3401/084, Accessories for Rectangular Connectors, Microminiature, 3401/081, 3401/082 and Connector Savers 3401/088. **Except for variants 11 and 12 do not use variant accessories 09 to 62 and 93 to 99**
- ESCC Detail Specification No. 3401/088, Connector Savers, Electrical, Rectangular, Microminiature, Non-removable Gauge 26 Contacts, Based on Type 8MCG.

TABLE 1(a) – COMPONENT TYPE VARIANTS ANR RANGE OF COMPONENT

SHELL SIZES

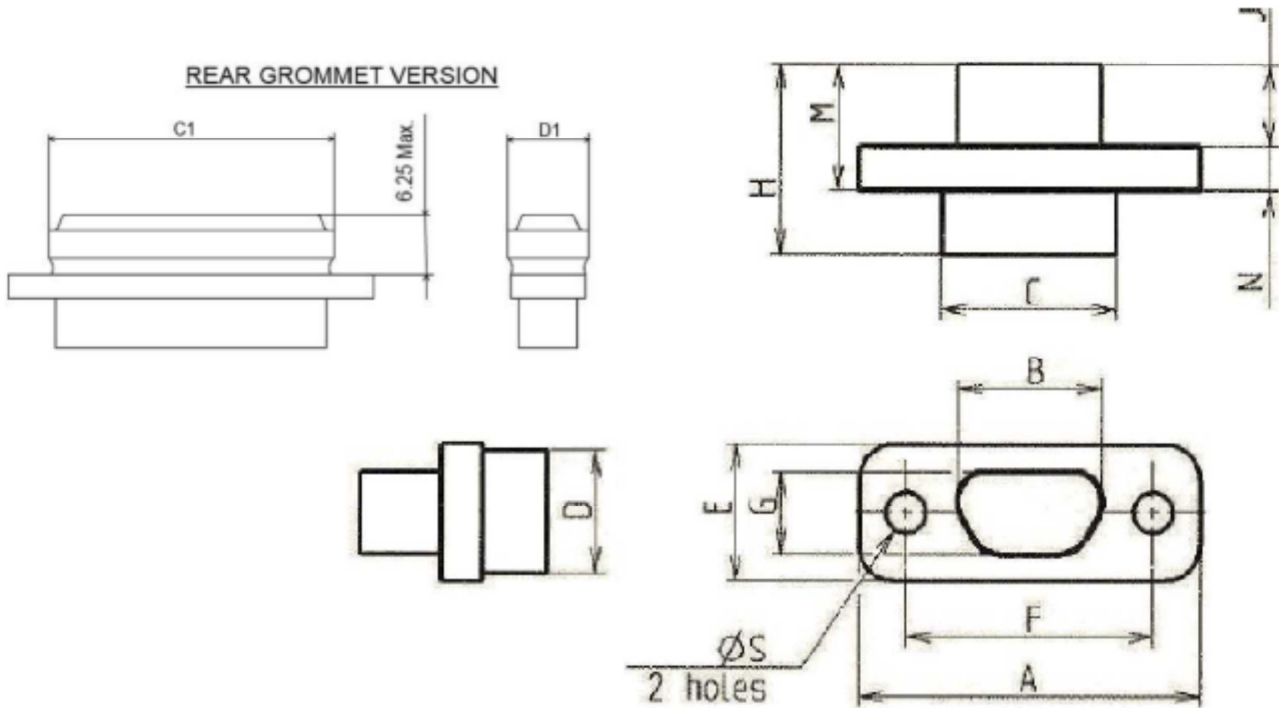
Variant (Note 3)	Shell Size (Note 1)	Weight Max (g) (Note 2)		Weight Max (g) (Notes 2, 4)		Weight Max With Grommet (g) (Note 2)		Mating Force Max (N)	Unmating Force (N)	
		Male	Female	Male	Female	Male	Female		Min	Max
01 11	A	1.05	1	1.18	1.13	1.77	1.72	11.9	0.95	11.9
	B	1.35	1.25	1.52	1.42	2.14	2.04	18.7	1.5	18.7
	C	1.6	1.45	1.84	1.69	2.87	2.72	22.1	1.8	22.1
	D	1.8	1.65	2.06	1.91	3.31	3.16	28.9	2.35	28.9
	E	2.1	1.88	2.41	2.19	3.9	3.68	35.7	2.9	35.7
	F	2.35	2.1	2.71	2.46	4.31	4.06	42.5	3.5	42.5
	G	2.5	2.2	2.87	2.57	4.5	4.2	56.1	4.6	56.1
	H	3.44	2.95	3.95	3.46	5.88	5.39	86.7	7.1	86.7
02 12	J	6.1	4.75	7.14	5.79	9.47	8.12	178.8	14.5	178.8
	A	1.35	1.45	1.48	1.58	2.07	2.17	11.9	0.95	11.9
	B	1.75	1.8	1.92	1.97	2.54	2.59	18.7	1.5	18.7
	C	2.15	2.2	2.39	2.44	3.42	3.47	22.1	1.8	22.1
	D	2.35	2.42	2.61	2.66	3.86	3.91	28.9	2.35	28.9
	E	2.7	2.69	3.01	3.0	4.5	4.49	35.7	2.9	35.7
	F	2.95	2.9	3.31	3.26	4.91	4.86	42.5	3.5	42.5
	G	3.15	3.05	3.52	3.42	5.15	5.05	56.1	4.6	56.1
H	4.2	4.1	4.74	4.61	6.64	6.54	86.7	7.1	86.7	
J	7.3	6.45	8.34	7.49	10.67	9.82	178.8	14.5	178.8	

NOTES:

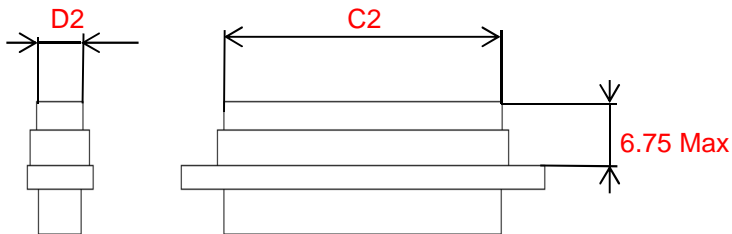
1. See Figure 2(a).
2. Without contacts but see Para. 4.5.4.5. See ESCC Detail Specification No. 3401/083 for contact weights.
3. Refer to Para. 4.4.1 for definition of the Type Variants

4. Variants 11 and 12

FIGURE 2 - PHYSICAL DIMENSIONS
FIGURE 2(a) - CONNECTOR SHELLS
PLUG MALE CONTACTS

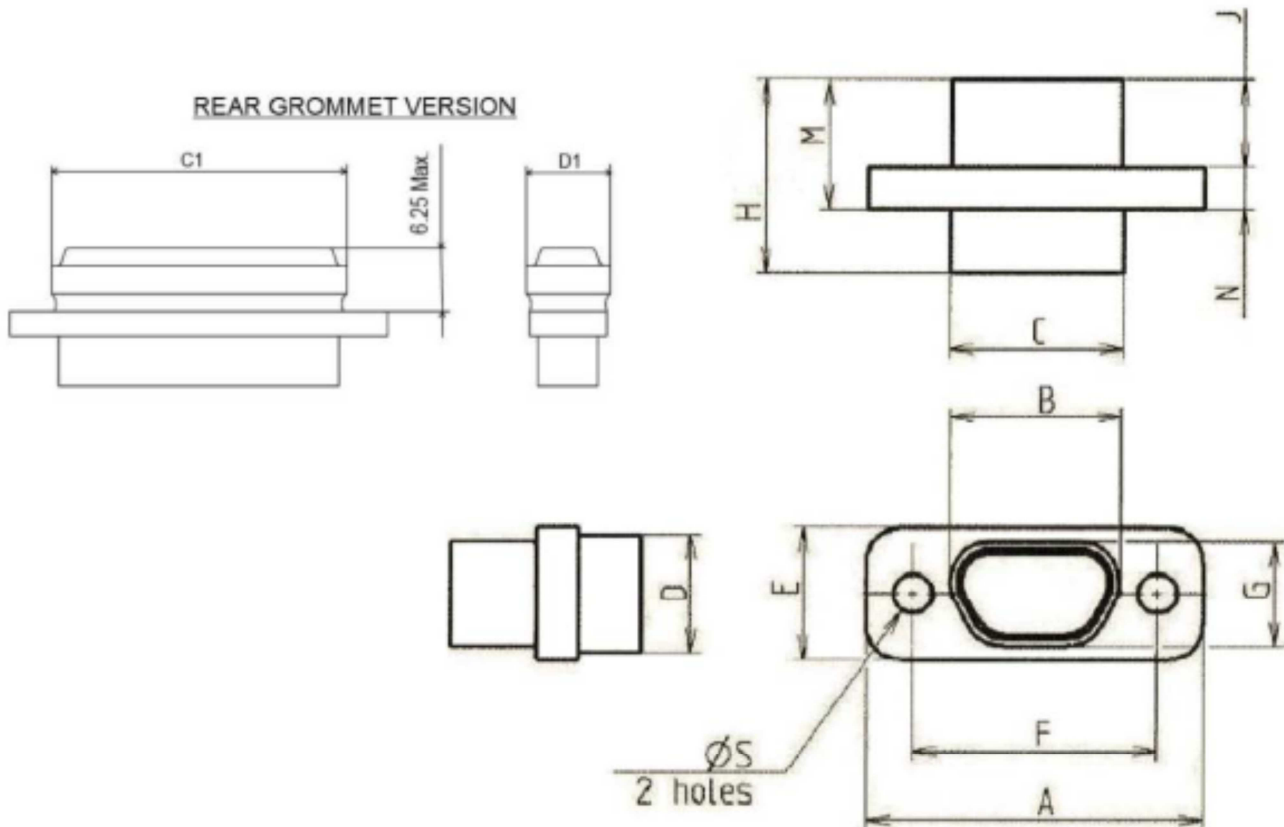


EXTENDED INSULATOR

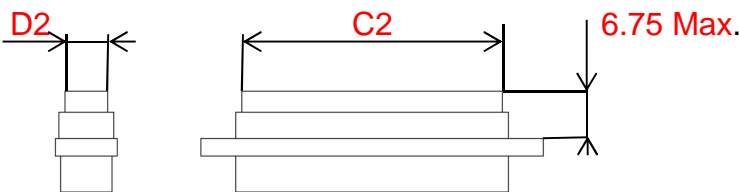


Shell Size	A Max	B Max	C Max	D Max	C1 Max	D1 Max	C2 Max	D2 Max	E Max	F		G Max	H Max	J Max	M Max	N		ØS (Note 2)	
										Min	Max					Min	Max	Min	Max
A	19.94	8.48	10.16	6.86	11.7	8.45	8.6	5.1	7.82	14.22	14.48	4.69	10.82	4.72	7.21	2.23	2.49	2.23	2.39
B	23.75	12.29	13.97	6.86	15.3	8.45	12.4	5.1	7.82	18.03	18.29	4.69	10.82	4.72	7.21	2.23	2.49	2.23	2.39
C	27.56	16.1	17.78	6.86	19.1	8.45	16.2	5.1	7.82	21.84	22.1	4.69	10.82	4.72	7.21	2.23	2.49	2.23	2.39
D	30.1	18.64	20.32	6.86	21.85	8.45	18.75	5.1	7.82	24.38	24.64	4.69	10.82	4.72	7.21	2.23	2.49	2.23	2.39
E	33.91	22.45	24.13	6.86	25.7	8.45	22.6	5.1	7.82	28.19	28.45	4.69	10.82	4.72	7.21	2.23	2.49	2.23	2.39
F	37.72	26.26	27.94	6.86	29.5	8.45	26.4	5.1	7.82	32	32.26	4.69	10.82	4.72	7.21	2.23	2.49	2.23	2.39
G	36.45	24.99	26.67	7.87	28.25	9.45	25	6.1	8.92	30.73	30.99	5.78	10.82	4.72	7.21	2.23	2.49	2.23	2.39
H	48.55	36.85	38.65	7.87	40.3	9.45	36.9	6.1	8.92	43.23	43.49	5.78	10.82	4.72	7.21	2.23	2.49	2.23	2.39
J	62.75	45.1	47.65	11.25	49.25	12.85	45.9	9.6	12.5	54.72	54.98	9.25	10.82	4.72	7.21	2.23	2.49	3.68	3.83

RECEPTACLE FEMALE CONTACTS



EXTENDED INSULATOR



Shell Size	A Max	B Max	C Max	D Max	C1 Max	D1 Max	C2 Max	D2 Max	E Max	F		G Max	H Max	J Max	M Max	N		ØS (Note 2)	
										Min	Max					Min	Max	Min	Max
A	19.94	10.16	10.16	6.86	11.7	8.45	8.6	5.1	7.82	14.22	14.48	6.38	11.11	5.05	7.54	2.23	2.49	2.23	2.39
B	23.75	13.97	13.97	6.86	15.3	8.45	12.4	5.1	7.82	18.03	18.29	6.38	11.11	5.05	7.54	2.23	2.49	2.23	2.39
C	27.56	17.78	17.78	6.86	19.1	8.45	16.2	5.1	7.82	21.84	22.1	6.38	11.11	5.05	7.54	2.23	2.49	2.23	2.39
D	30.1	20.32	20.32	6.86	21.85	8.45	18.75	5.1	7.82	24.38	24.64	6.38	11.11	5.05	7.54	2.23	2.49	2.23	2.39
E	33.91	24.13	24.13	6.86	25.7	8.45	22.6	5.1	7.82	28.19	28.45	6.38	11.11	5.05	7.54	2.23	2.49	2.23	2.39
F	37.72	27.94	27.94	6.86	29.5	8.45	26.4	5.1	7.82	32	32.26	6.38	11.11	5.05	7.54	2.23	2.49	2.23	2.39
G	36.45	26.67	26.67	7.87	28.25	9.45	25	6.1	8.92	30.73	30.99	7.47	11.11	5.05	7.54	2.23	2.49	2.23	2.39
H	48.55	38.65	38.65	7.87	40.3	9.45	36.9	6.1	8.92	43.23	43.49	7.47	11.11	5.05	7.54	2.23	2.49	2.23	2.39
J	62.75	46.8	47.65	11.25	49.25	12.85	45.9	9.6	12.5	54.72	54.98	10.94	11.11	5.05	7.54	2.23	2.49	3.68	3.83

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4.4.1 Shells

(a) Variant 01:

Shells shall be made of glass-fibre reinforced thermoplastic. The plating shall be a minimum thickness of 1.27 μ m gold over 5 μ m minimum of electroless nickel or copper.

(b) Variant 02

Shells shall be made of aluminium alloy. The plating shall be a minimum thickness of 1.27 μ m gold over 20 μ m minimum of electroless nickel.

(c) Variant 11: Exented insulator

Shells shall be made of glass-fibre reinforced thermoplastic. The plating shall be a minimum thickness of 1.27 μ m gold over 5 μ m minimum of electroless nickel or copper.

(d) Variant 12: Exented insulator

Shells shall be made of aluminium alloy. The plating shall be a minimum thickness of 1.27 μ m gold over 20 μ m minimum of electroless nickel.