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# ACCESSORIES FOR RECTANGULAR CONNECTORS, MICROMINIATURE, 3401/081, 3401/082 AND CONNECTOR SAVERS 3401/088

ESCC Detail Specification No. 3401/084

Issue 4	June 2018



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#### **DOCUMENTATION CHANGE NOTICE**

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DCR No.	CHANGE DESCRIPTION
1163	Specification upissued to incorporate editorial changes per DCR.



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#### 1 <u>GENERAL</u>

#### 1.1 <u>SCOPE</u>

This specification details the ratings, physical and electrical characteristics, test and inspection data of Accessories for Rectangular Connectors, Microminiature, 3401/081, 3401/082 and Connector Savers 3401/088.

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. 3401/082, Connectors, Electrical, Rectangular, Microminiature, Removable Gauge 26 Crimp Contacts, Based on Type 8MCG.
- ESCC Detail Specification No. 3401/088, Connector Savers, Electrical, Rectangular, Microminiature, Non-removable Gauge 26 Contacts, Based on Type 8MCG.

#### 1.2 <u>TYPE VARIANTS</u>

The type variants of accessories covered by this specification are given in Table 1(a).

#### 1.3 MAXIMUM RATINGS

The maximum ratings, which shall not be exceeded at any time during use or storage, applicable to the accessories specified herein, are as scheduled in Table 1(b).

1.4 <u>PARAMETER DERATING INFORMATION</u> Not applicable.

#### 1.5 PHYSICAL DIMENSIONS

The physical dimensions of the accessories specified herein are shown in Figure 2.

#### 2 APPLICABLE DOCUMENTS

The following documents form part of this specification and shall be read in conjunction with it:

- 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. 3401/082, Connectors, Electrical, Rectangular, Microminiature, Removable Gauge 26 Crimp Contacts, Based on type 8MCG.
- ESCC Detail Specification No. 3401/088, Connector Savers, Electrical, Rectangular, Microminiature, Non-removable Gauge 26 Contacts, Based on Type 8MCG.

#### 3 TERMS, DEFINITIONS, ABBREVIATIONS, SYMBOLS AND UNITS

For the purpose of this specification, the terms, definitions, abbreviations, symbols and units specified in ESCC Basic Specification No. 21300 shall apply.

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### TABLE 1(a) - TYPE VARIANTS

Type Variants	Descriptions	Applicable Shell Sizes	Weight Max		que s (Nm)	Remarks
			(g)	Min	Max	
01	Jackscrew assembly (screw and retaining ring), allen head screw, low profile	A, B, C, D, E, F, G, H	0.3	0.28	0.32	
02	Jackscrew assembly (screw and retaining ring), slot head screw, low profile	A, B, C, D, E, F, G, H	0.3	0.28	0.32	
03	Jackpost assembly (screwlock, nut and lockwasher)	A, B, C, D, E, F, G, H	0.62	0.44 0.28 0.44	0.48 0.32 0.48	See Note 1 See Note 2 See Note 3
04	Jackscrew assembly (screw and retaining ring), allen head screw, low profile	J	0.35	0.4	0.44	
05	Jackscrew assembly (screw and retaining ring), slot head screw, low profile	J	0.35	0.4	0.44	
06	Jackpost assembly (screwlock, nut and lockwasher)	J	0.9	0.6 0.4 0.6	0.66 0.44 0.66	See Note 1 See Note 2 See Note 3
07	Jackscrew assembly (jackscrew and clip), allen head screw, low profile	A, B, C, D, E, F, G, H	0.8	0.28	0.32	
08	Jackscrew assembly (jackscrew and clip), allen head screw, low profile	J	1.1	0.4	0.44	
09	Straight backshell with male jackscrews and clips	A	2.7	-	-	See Note 4
10	Straight backshell with male jackscrews and clips	В	3	-	-	See Note 4
11	Straight backshell with male jackscrews and clips	С	3.95	-	-	See Note 4
12	Straight backshell with male jackscrews and clips	D	4.75	-	-	See Note 4
13	Straight backshell with male jackscrews and clips	E	5.5	-	-	See Note 4
14	Straight backshell with male jackscrews and clips	F	6.15	-	-	See Note 4
15	Straight backshell with male jackscrews and clips	G	7.35	-	-	See Note 4
16	Straight backshell with female jackposts and nuts	A	2.7	-	-	See Note 5



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Type Variants	Descriptions	Applicable Shell Sizes	Weight Max		que s (Nm)	Remarks
			(g)	Min	Max	
17	Straight backshell with female jackposts and nuts	В	3	-	-	See Note 5
18	Straight backshell with female jackposts and nuts	С	3.95	-	-	See Note 5
19	Straight backshell with female jackposts and nuts	D	4.75	-	-	See Note 5
20	Straight backshell with female jackposts and nuts	E	5.5	-	-	See Note 5
21	Straight backshell with female jackposts and nuts	F	6.15	-	-	See Note 5
22	Straight backshell with female jackposts and nuts	G	7.35	-	-	See Note 5
23	Angled backshell with male jackscrews and clips	А	4.1	-	-	See Note 4
24	Angled backshell with male jackscrews and clips	В	4.95	-	-	See Note 4
25	Angled backshell with male jackscrews and clips	С	5.85	-	-	See Note 4
26	Angled backshell with male jackscrews and clips	D	6.75	-	-	See Note 4
27	Angled backshell with male jackscrews and clips	E	7.4	-	-	See Note 4
28	Angled backshell with male jackscrews and clips	F	8.55	-	-	See Note 4
29	Angled backshell with male jackscrews and clips	G	9.15	-	-	See Note 4
30	Angled backshell with male jackscrews and clips	А	4.1	-	-	See Note 5
31	Angled backshell with female jackposts and nuts	В	4.95	-	-	See Note 5
32	Angled backshell with female jackposts and nuts	С	5.85	-	-	See Note 5
33	Angled backshell with female jackposts and nuts	D	6.75	-	-	See Note 5
34	Angled backshell with female jackposts and nuts	E	7.4	-	-	See Note 5
35	Angled backshell with female jackposts and nuts	F	8.55	-	-	See Note 5

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Type Variants	Descriptions	Applicable Shell Sizes	Weight Max		que s (Nm)	Remarks
			(g)	Min	Max	
36	Angled backshell with female jackposts and nuts	G	9.15	-	-	See Note 5
37	90° backshell with male jackscrews and clips	A	4.1	-	-	See Note 4
38	90° backshell with male jackscrews and clips	В	4.95	-	-	See Note 4
39	90° backshell with male jackscrews and clips	С	5.85	-	-	See Note 4
40	90° backshell with male jackscrews and clips	D	6.75	-	-	See Note 4
41	90° backshell with male jackscrews and clips	E	7.4	-	-	See Note 4
42	90° backshell with male jackscrews and clips	F	8.35	-	-	See Note 4
43	90° backshell with male jackscrews and clips	G	9.15	-	-	See Note 4
44	90° backshell with female jackposts and nuts	A	4.1	-	-	See Note 5
45	90° backshell with female jackposts and nuts	В	4.95	-	-	See Note 5
46	90° backshell with female jackposts and nuts	С	5.85	-	-	See Note 5
47	90° backshell with female jackposts and nuts	D	6.75	-	-	See Note 5
48	90° backshell with female jackposts and nuts	E	7.4	-	-	See Note 5
49	90° backshell with female jackposts and nuts	F	8.35	-	-	See Note 5
50	90° backshell with female jackposts and nuts	G	9.15	-	-	See Note 5
51	Straight backshell with male jackscrews and clips	н	7.5	-	-	See Note 4
52	Straight backshell with male jackscrews and clips	J	11.5	-	-	See Note 6
53	Straight backshell with female jackposts and nuts	н	7.5	-	-	See Note 5
54	Straight backshell with female jackposts and nuts	J	11.5	-	-	See Note 7

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Type Variants	Descriptions	Applicable Shell Sizes	Weight Max		que s (Nm)	Remarks
			(g)	Min	Max	
55	Angled backshell with male jackscrews and clips	Н	9.5	-	-	See Note 4
56	Angled backshell with male jackscrews and clips	J	15.2	-	-	See Note 6
57	Angled backshell with female jackposts and nuts	н	9.5	-	-	See Note 5
58	Angled backshell with female jackposts and nuts	J	15.2	-	-	See Note 7
59	90º backshell with male jackscrews and clips	н	9.5	-	-	See Note 4
60	90° backshell with male jackscrews and clips	J	15.2	-	-	See Note 6
61	90° backshell with female jackposts and nuts	н	9.5	-	-	See Note 5
62	90° backshell with female jackposts and nuts	J	15.2	-	-	See Note 7
63	Dust Cap (Male)	А	N/A	-	-	
64	Dust Cap (Female)	A	N/A	-	-	
65	Dust Cap (Male)	В	N/A	-	-	
66	Dust Cap (Female)	В	N/A	-	-	
67	Dust Cap (Male)	С	N/A	-	-	
68	Dust Cap (Female)	С	N/A	-	-	
69	Dust Cap (Male)	D	N/A	-	-	
70	Dust Cap (Female)	D	N/A	-	-	
71	Dust Cap (Male)	E	N/A	-	-	
72	Dust Cap (Female)	E	N/A	-	-	
73	Dust Cap (Male)	F	N/A	-	-	
74	Dust Cap (Female)	F	N/A	-	-	-
75	Dust Cap (Male)	G	N/A	-	-	
76	Dust Cap (Female)	G	N/A	-	-	
77	Dust Cap (Male)	н	N/A	-	-	
78	Dust Cap (Female)	н	N/A	-	-	
79	Dust Cap (Male)	J	N/A	-	-	
80	Dust Cap (Female)	J	N/A	-	-	

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Type Variants	Descriptions	Applicable Shell Sizes	Weight Max		que s (Nm)	Remarks	
			(g)	Min	Max		
81	Jackpost assembly for rear mounting on panel, Thickness Panel : 0.8 mm (screwlock, nut and lockwasher)	A, B, C, D, E, F, G, H	0.72	0.44 0.28 0.44	0.48 0.32 0.48	See Note 1 See Note 2 See Note 3	
82	Jackpost assembly for rear mounting on panel, Thickness Panel : 1.2 mm (screwlock, nut and lockwasher)	A, B, C, D, E, F, G, H	0.71	0.44 0.28 0.44	0.48 0.32 0.48	See Note 1 See Note 2 See Note 3	
83	Jackpost assembly for rear mounting on panel, Thickness Panel : 1.6 mm (screwlock, nut and lockwasher)	A, B, C, D, E, F, G, H	0.69	0.44 0.28 0.44	0.48 0.32 0.48	See Note 1 See Note 2 See Note 3	
84	Jackpost assembly for rear mounting on panel, Thickness Panel : 2.4 mm (screwlock, nut and lockwasher)	A, B, C, D, E, F, G, H	0.66	0.44 0.28 0.44	0.48 0.32 0.48	See Note 1 See Note 2 See Note 3	
85	Jackpost assembly for rear mounting on panel, Thickness Panel : 3.2mm (screwlock, nut and lockwasher)	A, B, C, D, E, F, G, H	0.62	0.44 0.28 0.44	0.48 0.32 0.48	See Note 1 See Note 2 See Note 3	
86	Jackpost assembly for rear mounting on panel, Thickness Panel : 0.8 mm (screwlock, nut and lockwasher)	J	1.08	0.6 0.4 0.4	0.66 0.44 0.66	See Note 1 See Note 2 See Note 3	
87	Jackpost assembly for rear mounting on panel, Thickness Panel : 1.2 mm (screwlock, nut and lockwasher)	J	1.05	0.6 0.4 0.4	0.66 0.44 0.66	See Note 1 See Note 2 See Note 3	
88	Jackpost assembly for rear mounting on panel, Thickness Panel : 1.6 mm (screwlock, nut and lockwasher)	J	1.03	0.6 0.4 0.4	0.66 0.44 0.66	See Note 1 See Note 2 See Note 3	
89	Jackpost assembly for rear mounting on panel, Thickness Panel : 2.4 mm (screwlock, nut and lockwasher)	J	0.99	0.6 0.4 0.4	0.66 0.44 0.66	See Note 1 See Note 2 See Note 3	
90	Jackpost assembly for rear mounting on panel, Thickness Panel : 3.2mm (screwlock, nut and lockwasher)	J	0.95	0.6 0.4 0.4	0.66 0.44 0.66	See Note 1 See Note 2 See Note 3	
91	Jackpost assembly for PCB mounting straight spills/PC tails, (screwlock, nut, lockwasher and spacer)	A, B, C, D, E, F, G, H	1.2	0.44 0.28 0.44	0.48 0.32 0.48	See Note 1 See Note 2 See Note 3	
92	Jackpost assembly for PCB mounting straight spills/PC tails, (screwlock, nut, lockwasher and spacer)	J	2.3	0.6 0.4 0.6	0.66 0.48 0.66	See Note 1 See Note 2 See Note 3	
93	Jackpost assembly for Connector with Rear Grommet Version, (screwlock, nut and lockwasher)	A, B, C, D, E, F, G, H	0.9	0.44 0.28 0.44	0.48 0.32 0.48	See Note 1 See Note 2 See Note 3	
94	Jackpost assembly for Connector with Rear Grommet Version, (screwlock, nut and lockwasher)	J	1.6	0.6 0.4 0.6	0.66 0.48 0.66	See Note 1 See Note 2 See Note 3	



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Type Variants	Descriptions	Applicable Shell Sizes	Weight Max	Torque Values (Nm)		Remarks
			(g)	Min	Max	
95	Jackpost assembly for Savers Connector (screwlock, and retaining ring)	A, B, C, D, E, F, G, H	0.9	0.44 0.28 0.44	0.48 0.32 0.48	See Note 1 See Note 2 See Note 3
96	Jackpost assembly for Savers Connector (screwlock, and retaining ring)	J	1.8	0.6 0.4 0.6	0.66 0.48 0.66	See Note 1 See Note 2 See Note 3
97	Bracket for mounting on PCB with 90° bent contacts	A, B, C, D, E, F	0.85	0.44	0.48	
98	Bracket for mounting on PCB with 90° bent contacts	G, H	1	0.44	0.48	
99	Bracket for mounting on PCB with 90° bent contacts	J	2.45	0.6	0.66	

#### NOTES:

- 1. These torque values apply to the male side of the jackpost.
- 2. These torque values apply to the female side of the jackpost.
- 3. These torque values apply to the nut.
- 4. Weight of backshell without male jackscrews and clips. The maximum weight of one clip and one screw is 1.12g.
- 5. Weight of backshell without female jackposts and nuts. The maximum weight of jackpost and one nut is 0.65g.
- 6. Weight of backshell without male jackscrews and clips. The maximum weight of one clip and one screw is 1.75g.
- 7. Weight of backshell without female jackposts and nuts. The maximum weight of one jackpost and one nut is 0.95g.

No.	Characteristics	Symbol	Maximum Ratings	Unit
1	Operating Temperature Range	T <sub>op</sub>	-55 to +125	°C
2	Storage Temperature Range	T <sub>stg</sub>	-65 to +125	°C

#### TABLE 1(b) - MAXIMUM RATINGS

#### FIGURE 1 – PARAMETER DERATING INFORMATION

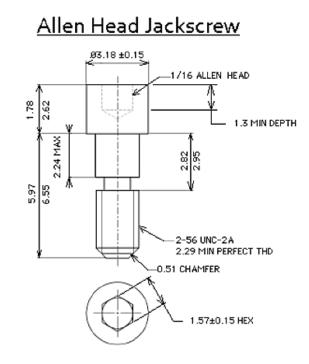
Not applicable.

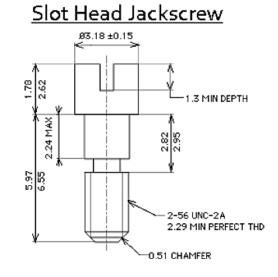


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#### FIGURE 2 - PHYSICAL DIMENSIONS

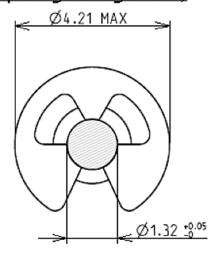
FIGURE 2(a) - VARIANTS 01 AND 02





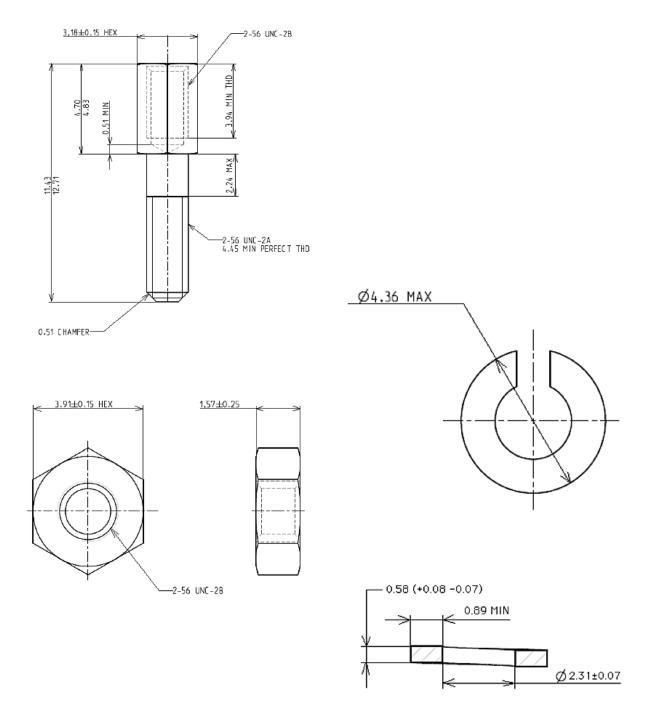
<u>Retaining Ring</u>

**NOTES:** 1. All dimensions are in millimetres. Retaining Ring (when sprung into groove)





#### FIGURE 2(b) - VARIANT 03



#### NOTES:

1. All dimensions are in millimetres.



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-1.57 HIN DEPTH

3.07

Ø3.56±0.08

-0.51 CHAMFER

⊸1-40 UNC-2A 2.80 MIN PERFECT THD

Slot Head Jackscrew

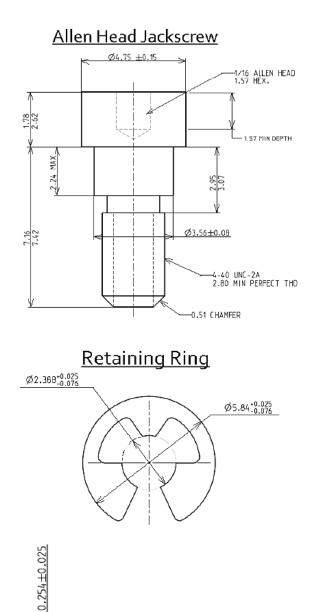
Ø4.75±0.15

#### FIGURE 2(c) - VARIANTS 04 AND 05

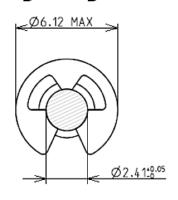
1.78

7.42

2.24 MAX



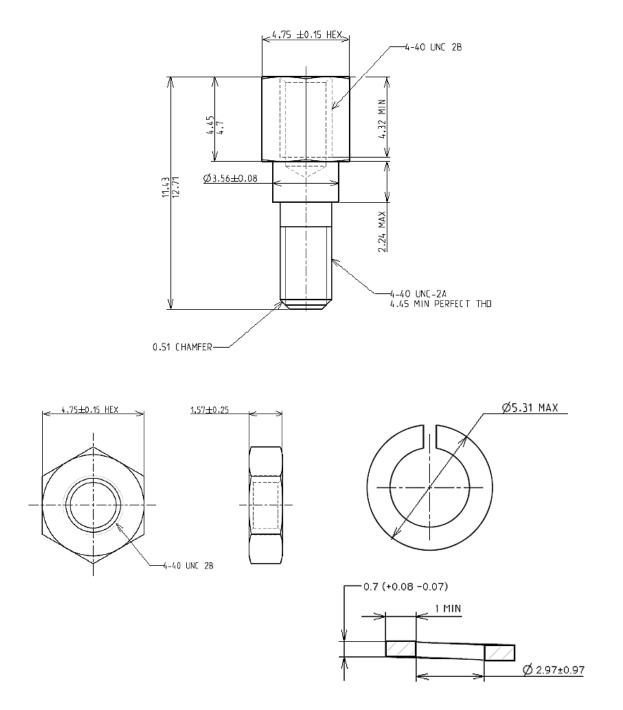
Retaining Ring (when sprung into groove)



NOTES:

1. All dimensions are in millimetres.

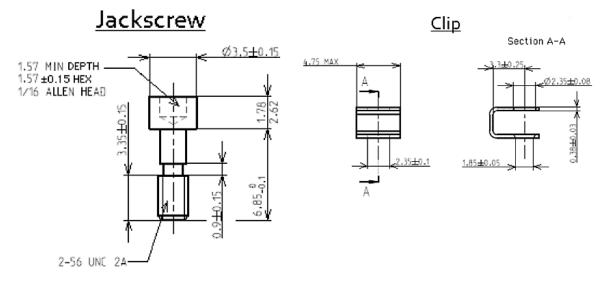
#### FIGURE 2(d) - VARIANT 06



NOTES: 1. All d All dimensions are in millimetres.



#### FIGURE 2(e) - VARIANT 07



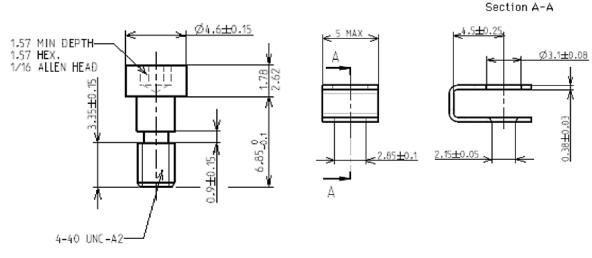
#### NOTES:

1. All dimensions are in millimetres.

#### FIGURE 2(f) - VARIANT 08



# <u>Clip</u>



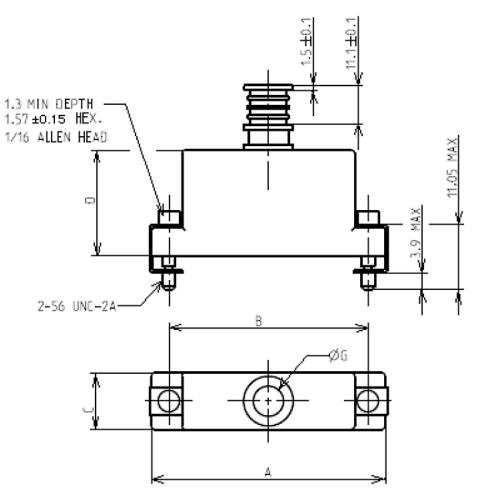
#### NOTES:

1. All dimensions are in millimetres.



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#### FIGURE 2(g) - VARIANTS 09 TO 22



Variant N	lumbers	ŀ	4	E	3	(	2	D Max	Ø	G
Male Jackscrew	Female Jackpost (Note 2)	Min	Max	Min	Max	Min	Max		Min	Max
09	16	19.55	19.85	14.22	14.48	8.85	9.15	10	3.05	3.35
10	17	23.25	23.55	18.03	18.29	8.85	9.15	12	3.05	3.35
11	18	27.15	27.45	21.84	22.1	8.85	9.15	14	3.05	3.35
12	19	29.7	30	24.38	24.64	8.85	9.15	16	4.65	4.95
13	20	33.55	33.85	28.19	28.45	8.85	9.15	17	4.65	4.95
14	21	37.35	37.65	32	32.26	8.85	9.15	18	4.65	4.95
15	22	35.95	36.25	30.73	30.99	9.85	10.15	19	6.25	6.55

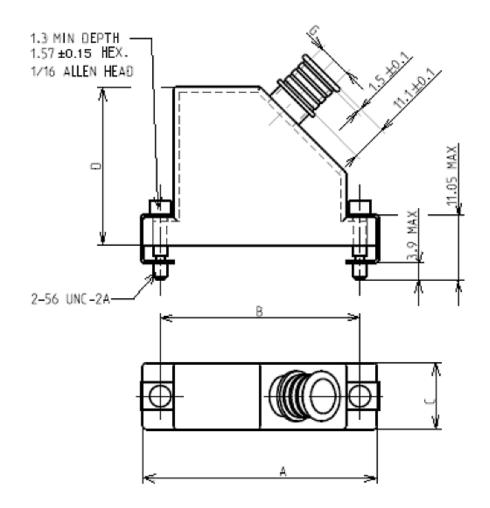
#### NOTES:

1. All dimensions are in millimetres.

2. See Figure 2(i) for female jackpost dimensions.

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#### FIGURE 2(h) - VARIANTS 23 TO 36



Variant N	lumbers	ŀ	4	E	3	(	2	D Max	ø	G
Male Jackscrew	Female Jackpost (Note 2)	Min	Max	Min	Max	Min	Max		Min	Max
23	30	19.55	19.85	14.22	14.48	8.85	9.15	21	3.05	3.35
24	31	23.25	23.55	18.03	18.29	8.85	9.15	23	3.05	3.35
25	32	27.15	27.45	21.84	22.1	8.85	9.15	25	3.05	3.35
26	33	29.7	30	24.38	24.64	8.85	9.15	27	4.65	4.95
27	34	33.55	33.85	28.19	28.45	8.85	9.15	28	4.65	4.95
28	35	37.35	37.65	32	32.26	8.85	9.15	29	4.65	4.95
29	36	35.95	36.25	30.73	30.99	9.85	10.15	30	6.25	6.55

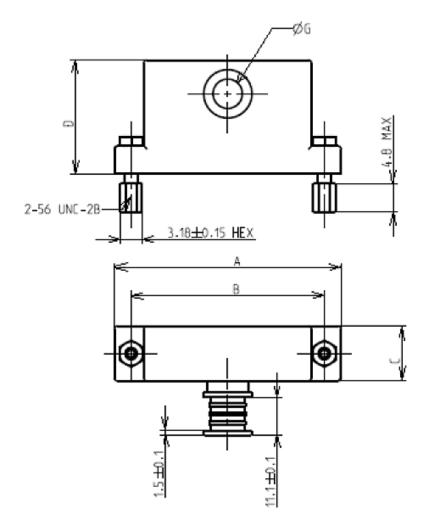
#### NOTES:

All dimensions are in millimetres. 1.

See Figure 2(i) for female jackpost dimensions. 2.



## FIGURE 2(i) - VARIANTS 37 TO 50



Variant Nun	nbers	А		В		(	2	D Max	Ø	G
Male Jackscrew (Note 2)	Female Jackpost	Min	Max	Min	Max	Min	Max		Min	Max
37	44	19.55	19.85	14.22	14.48	8.85	9.15	15	3.05	3.35
38	45	23.25	23.55	18.03	18.29	8.85	9.15	16.5	3.05	3.35
39	46	27.15	27.45	21.84	22.1	8.85	9.15	18	3.05	3.35
40	47	29.7	30	24.38	24.64	8.85	9.15	20	4.65	4.95
41	48	33.55	33.85	28.19	28.45	8.85	9.15	21	4.65	4.95
42	49	37.35	37.65	32	32.26	8.85	9.15	22	4.65	4.95
43	50	35.95	36.25	30.73	30.99	9.85	10.15	23	6.25	6.55

#### NOTES:

1. All dimensions are in millimetres.

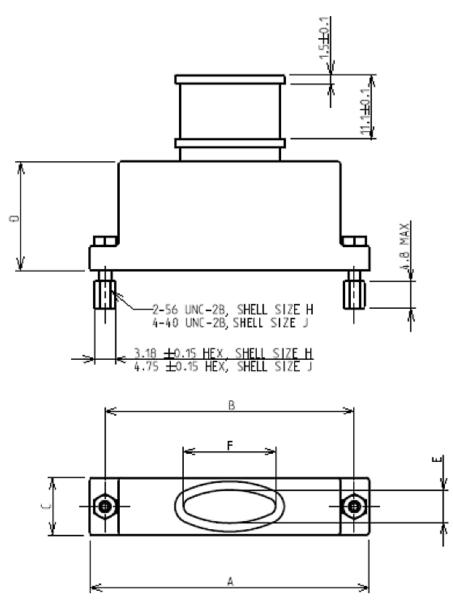
2. See Figure 2(g) for male jackscrew dimensions.

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#### FIGURE 2(j) - VARIANTS 51 TO 54



Variant Numbers		А		В		С		D Max	E	=	F	
Male Jackscrew (Note 2)	Female Jackpost	Min	Max	Min	Max	Min	Max		Min	Max	Min	Max
51	53	48.7	49	43.23	43.49	9.85	10.15	19	5.65	5.95	10.65	10.95
52	54	62.65	62.95	54.72	54.98	12.85	13.15	21	6.65	6.95	23.35	23.65

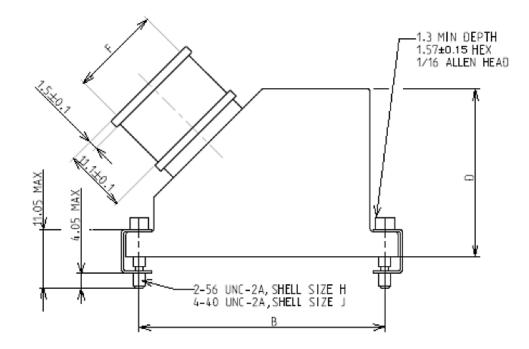
#### NOTES:

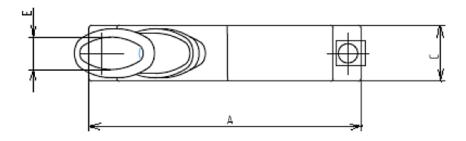
- 1. All dimensions are in millimetres.
- 2. See Figure 2(k) for male jackscrew dimensions.



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#### FIGURE 2(k) - VARIANTS 55 TO 58





Variant Numbers		А		В		С		D Max	Е		F	
Male Jackscrew	Female Jackpost (Note 2)	Min	Max	Min	Max	Min	Max		Min	Max	Min	Max
55	57	48.7	49	43.23	43.49	9.85	10.15	30	5.65	5.95	10.65	10.95
56	58	62.65	62.95	54.72	54.98	12.85	13.15	38	6.65	6.95	23.35	23.65

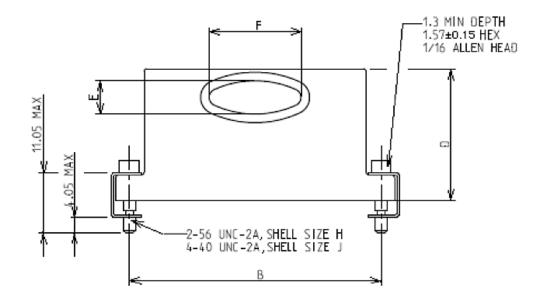
#### NOTES:

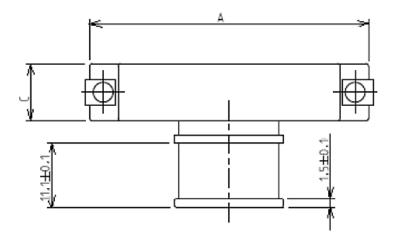
1. All dimensions are in millimetres.

2. See Figure 2(j) for female jackpost dimensions.



### FIGURE 2(I) - VARIANTS 59 TO 62





Variant Numbers		А		В		С		D Max	E	Ξ	F	
Male Jackscrew	Female Jackpost (Note 2)	Min	Max	Min	Max	Min	Max		Min	Max	Min	Max
59	61	48.7	49	43.23	43.49	9.85	10.15	23	5.65	5.95	10.65	10.95
60	62	62.65	62.95	54.72	54.98	12.85	13.15	25	6.65	6.95	23.35	23.65

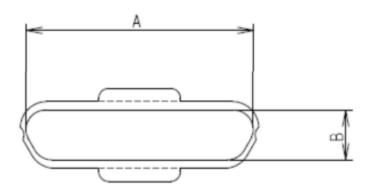
#### NOTES:

2. See Figure 2(j) for female jackpost dimensions.

<sup>1.</sup> All dimensions are in millimetres.



#### FIGURE 2(m) - VARIANTS 63 TO 80





Variants	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
A ±0.25	8	9.8	11.8	13.6	15.6	17.4	18.2	19.9	22	23.7	25.8	27.6	24.5	26.3	37.9	38.8	45.2	46.8
B ±0.25	4.7	6.4	4.7	6.4	4.7	6.4	4.7	6.4	4.7	6.4	4.7	6.4	5.8	7.4	5.8	7.4	9.35	11

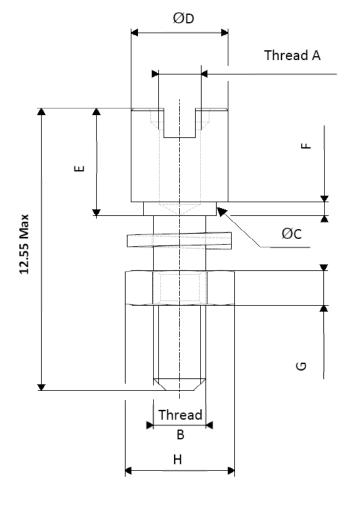
**NOTES:** 1. All dimensions are in millimetres.

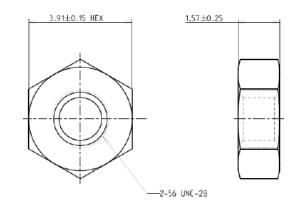


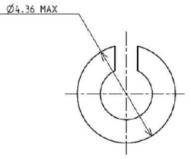
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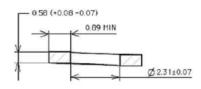
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#### FIGURE 2(n) - VARIANTS 81 TO 85







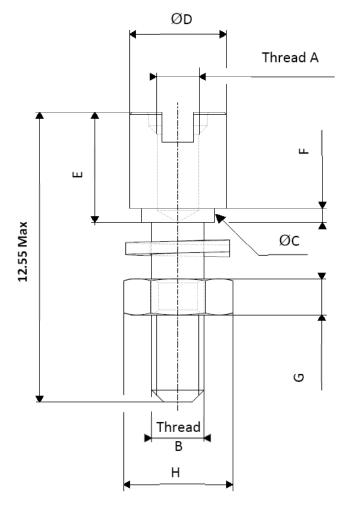


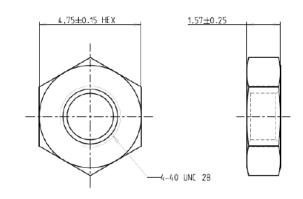
Variant	А	В	ØC	ØD	E	F	G	Н
			Max	Max		Max	Max	Max
81	2-56 UNC-2B	2-56 UNC-2A	3	4.1	4.7/4.83	0.615	1.82	4.06
82	2-56 UNC-2B	2-56 UNC-2A	3	4.1	4.7/4.83	1.09	1.82	4.06
83	2-56 UNC-2B	2-56 UNC-2A	3	4.1	4.7/4.83	1.45	1.82	4.06
84	2-56 UNC-2B	2-56 UNC-2A	3	4.1	4.7/4.83	2.23	1.82	4.06
85	2-56 UNC-2B	2-56 UNC-2A	3	4.1	4.7/4.83	3.05	1.82	4.06

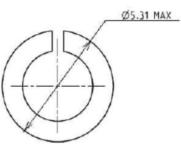
NOTES: 1. All All dimensions are in millimetres.

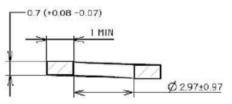


#### FIGURE 2(o) - VARIANTS 86 TO 90







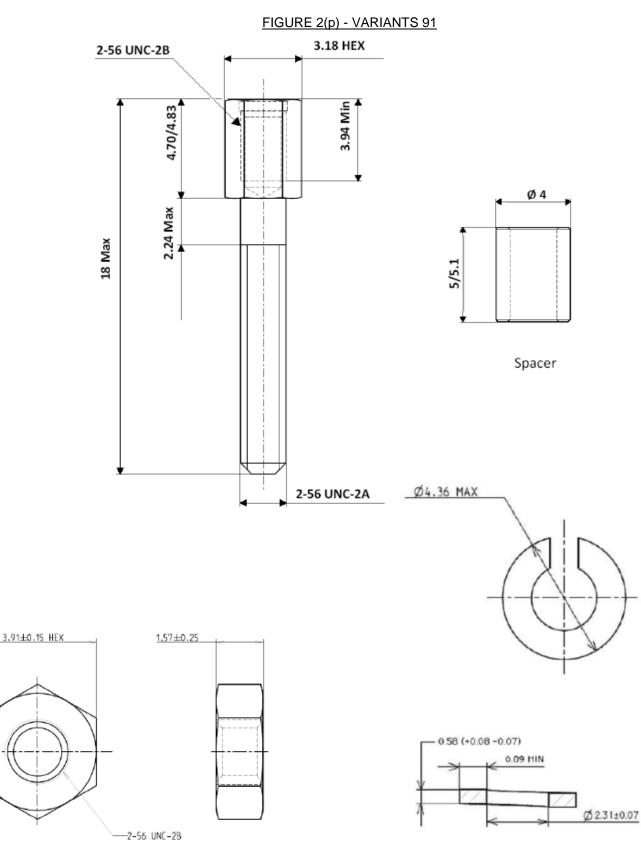


Variant	А	В	ØC	ØD	Е	F	G	Н
			Max	Max		Max	Max	Max
86	4-40 UNC-2B	4-40 UNC-2A	3.6	4.71	4.45/4.7	0.615	1.82	4.9
87	4-40 UNC-2B	4-40 UNC-2A	3.6	4.71	4.45/4.7	1.09	1.82	4.9
88	4-40 UNC-2B	4-40 UNC-2A	3.6	4.71	4.45/4.7	1.45	1.82	4.9
89	4-40 UNC-2B	4-40 UNC-2A	3.6	4.71	4.45/4.7	2.23	1.82	4.9
90	4-40 UNC-2B	4-40 UNC-2A	3.6	4.71	4.45/4.7	3.05	1.82	4.9

#### NOTES: 1. All

1. All dimensions are in millimetres.





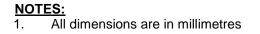
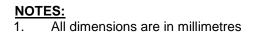


FIGURE 2(q) - VARIANT 92

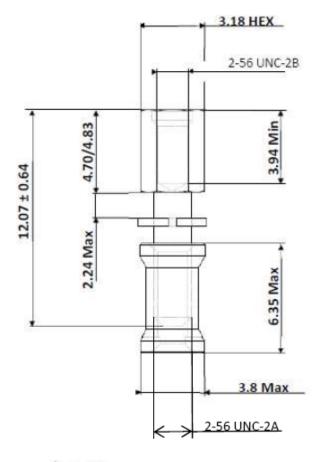
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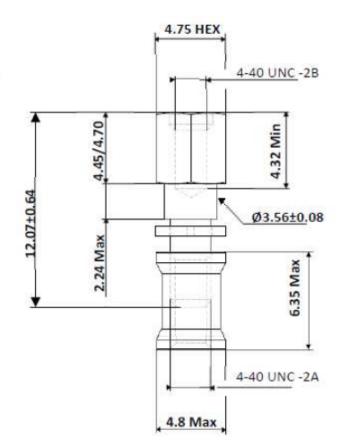
Ø 2.97±0.97

# 4-40 UNC-2B 4.75 HEX 4.45/4.7 32 4 Ø3.56±0 Ø 5.5 18 Max 2.24 Max 5/5.1 4-40 UNC-2A Ø5.31 MAX 4.75±0.15 HEX 1.57±0.25 0.7 (+0.08 -0.07) I MIN -4-40 UNC 2B

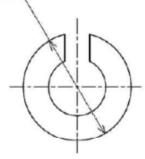


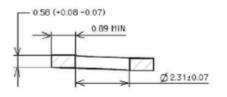
#### FIGURE 2(r) - VARIANTS 93 TO 94

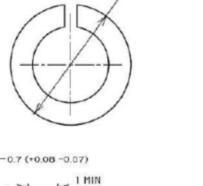




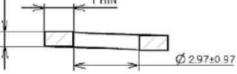
Ø4.36 MAX







Ø5.31 MAX







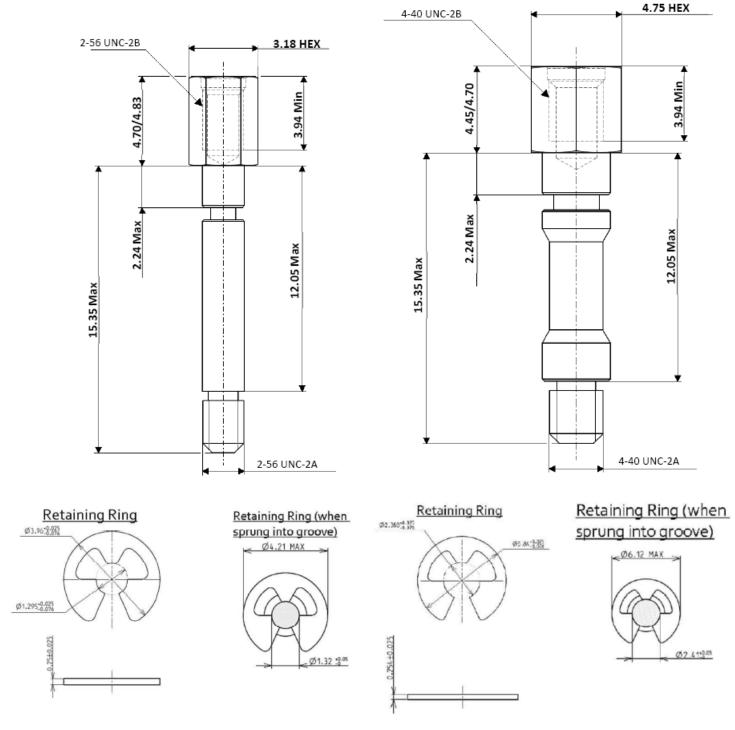
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#### FIGURE 2(s) - VARIANTS 95 TO 96

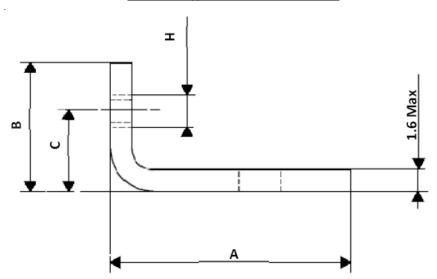


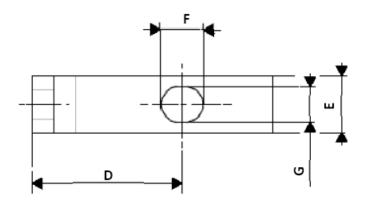
**NOTES:** 1. All dimensions are in millimetres



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#### FIGURE 2(t) - VARIANTS 97 TO 99





Variant	A Max	B Max	C ±0.10	D ±0.10	E ±0.10	F Max	G	Н
97	14.1	8.6	5	9.17	4	3.15	2.44 ±0.1	2-56 UNC-2B
98	16.9	9.1	5.6	10.44	4	3.15	2.44 ±0.1	2-56 UNC-2B
99	23.1	13.1	7.35	13.13	6.5	4.2	3.15 ±0.15	4-40 UNC-2B

NOTES: 1. All dimensions are in millimetres



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#### 4 <u>REQUIREMENTS</u>

#### 4.1 <u>GENERAL</u>

The complete requirements for procurement of the accessories specified herein are stated in this specification and ESCC Generic Specification No. 3401. Deviations from the Generic Specification, applicable to this specification only, are listed in Para. 4.2.

Deviations from the applicable Generic Specification and this Detail Specification, formally agreed with specific Manufacturers on the basis that the alternative requirements are equivalent to the ESCC requirements and do not affect the components' reliability, are listed in the appendices attached to this specification.

#### 4.2 <u>DEVIATIONS FROM GENERIC SPECIFICATION</u>

- 4.2.1 <u>Deviations from Special In-Process Controls</u> None.
- 4.2.2 <u>Deviations from Final Production Tests (Chart II)</u> Only the following tests shall be performed:
  - (a) Para. 9.6, Dimension Check.
  - (b) Para. 9.7, External Visual Inspection. The magnification shall be X3.
- 4.2.3 <u>Deviations from Burn-in and Electrical Measurements (Chart III)</u> Chart III is not applicable.
- 4.2.4 <u>Deviations from Qualification, Environmental and Endurance Tests (Chart IV)</u> Chart IV is not applicable.
- 4.2.5 <u>Deviations from Lot Acceptance Tests (Chart V)</u> Chart V is not applicable.

#### 4.3 MECHANICAL REQUIREMENTS

#### 4.3.1 Dimension Check

The dimensions of the accessories specified herein shall be verified in accordance with the requirements set out in Para. 9.6 of ESCC Generic Specification No. 3401 and Para. 4.2.2 of this specification; they shall conform to those shown in Figure 2.

4.3.2 <u>Weight</u> The maximum weight of the accessories specified herein shall be as specified in Figure 2.

#### 4.3.3 <u>Torque Value</u>

The torque value to be used for tightening the screws of the accessories specified herein shall be as specified in Table 1(a).

#### 4.4 MATERIALS AND FINISHES

The materials and finishes shall be as specified herein. Where a definite material is not specified, a material which will enable the components specified herein to meet the performance requirements of this specification shall be used. Acceptance or approval of any constituent material does not guarantee acceptance of the finished product.



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#### 4.4.1 <u>Screw Lock Assemblies (Jackpost, Jackscrew)</u>

These shall be made of passivated stainless steel except for the female jackposts for backshell shell size J: The material shall be brass and the finish shall be electroless nickel with a minimum thickness of 10µm.

#### 4.4.2 <u>Clips</u>

These shall be made of passivated stainless steel.

#### 4.4.3 Backshells

The material shall be aluminium alloy and the finish shall be 0.7µm minimum of gold over a copper or electroless nickel base layer with a minimum thickness of 10µm.

#### 4.4.4 Dust Caps

Material: Red, Black or White polypropylene or polyethylene.

#### 4.5 <u>MARKING</u>

#### 4.5.1 General

The marking of components delivered to this specification shall be in accordance with the requirements of ESCC Basic Specification No. 21700 and the following paragraphs. Each component shall be marked in respect of:

- (a) The ESCC Component Number.
- (b) Traceability Information.

These components being too small to accommodate the marking specified above, the ESCC marking information shall accompany the component in its primary package.

#### 4.5.2 The ESCC Component Number

The ESCC Component Number shall be constituted and marked as follows:

Example: 340108401B

- Detail Specification Number: 3401084
- Type Variant (See Figure 1(a)): 01
- Testing Level: B

#### 4.5.3 <u>Traceability Information</u> Traceability information shall be marked in accordance with ESCC Basic Specification No. 21700.

- 4.6 <u>ELECTRICAL MEASUREMENTS</u> Not applicable.
- 4.7 <u>SCREENING TESTS (TABLES 4 AND 5)</u> Not applicable.
- 4.8 <u>ENVIRONMENTAL AND ENDURANCE TESTS</u> Not applicable.