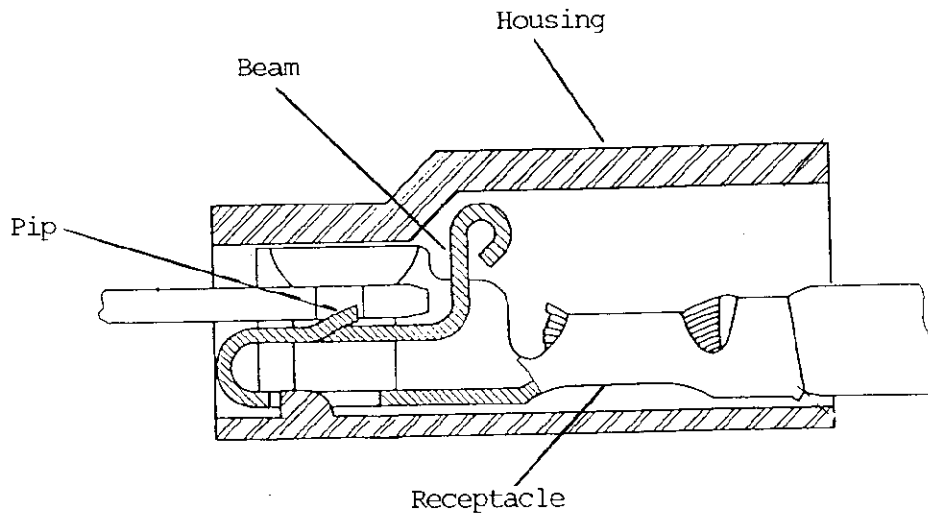




5.0 PRODUCT DESCRIPTION (Continued)



**Figure 1**



## 6.0

PART NUMBERS AND MATERIALS (Continued)

6.2 Associated products, not tested, but deemed to meet requirements of this specification.

AMP Part Number (of all parts involved)		Description	Material		Mycological Report Required Yes/No	Flammability Report Required Yes/No
(Comprising) Assembly	Parts		Type	Finish		
--	160759-1	Receptacle	Brass	Plain	No	No
--	160759-2	Receptacle	Ph.Bronze	Plain	No	No
--	160759-3	Receptacle	Brass	Post Tin	No	No
--	160759-4	Receptacle	Ph.Bronze	Post Tin	No	No
--	160759-5	Receptacle	Ph.Bronze	Pre-Tin	No	No
--	1-160759-1	Receptacle	Brass	Pre-Tin	No	No
--	1-160759-2	Receptacle	Ph.Bronze	Pre-Tin	No	No
--	154718-1	Receptacle	Brass	Plain	No	No
--	154718-2	Receptacle	Ph.Bronze	Plain	No	No
--	154718-3	Receptacle	Brass	Post Tin	No	No
--	154718-4	Receptacle	Ph.Bronze	Post Tin	No	No
--	154718-7	Receptacle	Ph.Bronze	Pre-Tin	No	No
--	160831-1	Receptacle	Brass	Plain	No	No
--	160831-2	Receptacle	Ph.Bronze	Plain	No	No
--	160831-3	Receptacle	Brass	Post Tin	No	No
--	160831-4	Receptacle	Ph.Bronze	Post Tin	No	No
--	154717-1	Receptacle	Brass	Plain	No	No
--	154717-2	Receptacle	Ph.Bronze	Plain	No	No
--	154717-3	Receptacle	Brass	Post Tin	No	No
--	154717-4	Receptacle	Ph.Bronze	Post Tin	No	No
--	154717-6	Receptacle	Brass	Pre-Tin	No	No
--	154717-7	Receptacle	Ph.Bronze	Pre-Tin	No	No
--	154717-8	Receptacle	Ph.Bronze	Silver Plated	No	No
--	926790-1	Rt.Angle Recpt.	Ph.Bronze	Pre-Tin	No	No
--	926790-2	Rt.Angle Recpt.	Ph.Bronze	Plain	No	No
--	926790-3	Rt.Angle Recpt.	Ph.Bronze	Post Tin	No	No
--	926790-4	Rt.Angle Recpt.	Brass	Pre-Tin	No	No
--	926790-5	Rt.Angle Recpt.	Brass	Plain	No	No
--	926790-6	Rt.Angle Recpt.	Brass	Post Tin	No	No

## 6.0

PART NUMBERS AND MATERIALS (Continued)

## 6.2 Associated products, not tested, but deemed to meet requirements of this specification (Continued)

AMP Part Number (of all parts involved)		Description	Material		Mycological Report Required Yes/No	Flammability Report Required Yes/No
(Comprising) Assembly	Parts		Type	Finish		
--	926820-1	Rt.Angle Recpt.	Ph.Bronze	Pre-Tin	No	No
--	926820-2	Rt.Angle Recpt.	Ph.Bronze	Plain	No	No
--	926820-3	Rt.Angle Recpt.	Ph.Bronze	Post Tin	No	No
--	926820-4	Rt.Angle Recpt.	Brass	Pre-Tin	No	No
--	926820-5	Rt.Angle Recpt.	Brass	Plain	No	No
--	926820-6	Rt.Angle Recpt.	Brass	Post-Tin	No	No
--	154719-0	Housing 1 Way	PA66	As moulded	Yes	Yes
--	154719-1	Housing 1 Way	PA66	As moulded	Yes	Yes
--	154719-2	Housing 1 Way	PA66	As moulded	Yes	Yes
--	154719-3	Housing 1 Way	PA66	As moulded	Yes	Yes
--	154719-4	Housing 1 Way	PA66	As moulded	Yes	Yes
--	154719-5	Housing 1 Way	PA66	As moulded	Yes	Yes
--	154719-6	Housing 1 Way	PA66	As moulded	Yes	Yes
--	154719-7	Housing 1 Way	PA66	As moulded	Yes	Yes
--	154719-8	Housing 1 Way	PA66	As moulded	Yes	Yes
--	154719-9	Housing 1 Way	PA66	As moulded	Yes	Yes
--	1-154719-0	Housing 1 Way	PA66	As moulded	Yes	Yes
--	2-154719-0	Housing 1 Way	PA66	As moulded	Yes	Yes
--	3-154719-0	Housing 1 Way	PA66	As moulded	Yes	Yes
--	4-154719-0	Housing 1 Way	PA66	As moulded	Yes	Yes
--	926521-2	Housing 2 Way	PA66	As moulded	Yes	Yes
--	926522-1	Housing 2 Way	PA66	As moulded	Yes	Yes
--	926524-1	Housing 2 Way	PA66	As moulded	Yes	Yes
--	926525-1	Housing 3 Way	PA66	As moulded	Yes	Yes
--	341384-1	Housing 3 Way	PA66	As moulded	Yes	Yes
--	926526-1	Housing 5 Way	PA66	As moulded	Yes	Yes
--	926291	Special Rt.A Hsg	PA66	As moulded	Yes	Yes
--	927389	Special 3 Way Hsg	PA66	As moulded	Yes	Yes
--	927348	Special 4 Way Hsg	PA66	As moulded	Yes	Yes

7.0 TEST CONDITIONS AND PERFORMANCE

If test is not to be done write "No Requirement" in the Requirement column (N/R).

TEST DESCRIPTION	REQUIREMENT		PROCEDURE (as generic unless otherwise stated)
7.1 Examination	No change.		No change.
7.2 Mating Force	(Type)	Force Max.	No change.
	250 Recpt & Tab	27	
7.3 Unmating Force	(Type)	Force Min.	No change.
	250 Recpt & Tab	7	
7.4 Connector Mating Force	Number of ways	Force N Max.	No change.
	1	27	
	2	60	
	3	N/R	
	4	N/R	
	5	120	
	6	N/R	
7.5 Connector Disengagement Force	Number of ways	Force N Min.	No change.
	1	5	
	2	10	
	3	N/R	
	4	N/R	
	5	40	
	6	N/R	

TEST DESCRIPTION	REQUIREMENT		PROCEDURE
7.6 Unintentional Disengagement/ Force (Destructive Test)	Number of ways	Force N Min.	No change.
	1	100	
	2	100	
	3	N/R	
	4	N/R	
	5	200	
	6	N/R	
	The above overrides 108-3017.		
7.7 Cable Attachment	No change.		No change.
	The above overrides 108-3017.		
7.8 Contact Retention in Housing	Contact/ Housing/ Connector "Type"	Force (N) with extra retention	No change.
	40N	N/A	
7.9 Polarisation/ Orientation	No change.		No change.
7.10 Nominal Current Rating of Contact Pair	N/R.		No change.
7.11 Current Rating of Single or Multi-way Connector	Number of ways.	Rating (A) (on 2mm <sup>2</sup> wire) at 20°C rise	Test using 2mm <sup>2</sup> wire. Procedure (a).
	1	14.0	
	2	12.0	
	3	N/R	
	4	N/R	
	5	14.0	
	6	N/R	

TEST DESCRIPTION	REQUIREMENT	PROCEDURE
7.12 Contact Resistance	Values given in separate table, attached. (Appendix 'A' and 'B').	No change.
7.13 High Temperature	Compliance with 7.12b only.	No change.
7.14 Low Temperature	Compliance with 7.12b only.	No change.
7.15 Thermal Shock	Compliance with 7.12b only.	No change.
7.16 Thermal Ageing	Compliance with 7.12b only.	No change.
7.17 Humidity	Compliance with 7.12a only.	Procedure (a) (48 hrs)
7.18 Salt Spray	No requirement.	
7.19 Sulphur Dioxide	Compliance with 7.12b only.	Procedure (a) (10 days).
7.20 Vibration	Compliance with 7.12a only.	No change.
7.21 Bump	Compliance with 7.12a only.	No change.
7.22 Fluid Resistance	No requirement (unsealed).	
7.23 Mycological	See section 6.1	No change.



TEST DESCRIPTION	REQUIREMENT	PROCEDURE
7.24 Flammability	See section 6.1 FMVSS.302.	No change.
7.25 Insulation Resistance	>100 MΩ.	No change.

8.0 NUMBERS OF SAMPLES TO BE TESTED

8.1 2 samples from each group to be tested.

**Appendix A**

Table of contact resistance referred to in 7.12. Procedure (a) (Nominal Current).

CONTACT TYPE (IF MIXED CONTACTS) AND IDENTIFYING NUMBER	MAXIMUM mV/A DROP														
	BEFORE TESTING					AFTER TEST NUMBER 7. "N"									
						13	14	15	16	17	18	19	20	21	22
250 RECEPTACLE	5					N/R	N/R	N/R	N/R	10	N/R	N/R	10	10	N/R
FIXED TAB OR TAB ON															
WIRE.															
(ONE OR TWO CRIMPS).															

NOTE: THESE VALUES OVERRIDE THOSE GIVEN IN 108-3017.

**Appendix B**

Table of contact resistance referred to in 7.12. Procedure (b) (<50mA or <20mV).

CONTACT TYPE (IF MIXED CONTACTS) AND IDENTIFYING NUMBER	MAXIMUM RESISTANCE MΩ														
	BEFORE TESTING					AFTER TEST NUMBER 7. "N"									
						13	14	15	16	17	18	19	20	21	22
250 RECEPTACLE	5					10	10	10	10	N/R	N/R	10	N/R	N/R	N/R
FIXED TAB OR TAB ON															
WIRE.															
(ONE OR TWO CRIMPS).															

NOTE: THESE VALUES OVERRIDE THOSE GIVEN IN 108-3017.