

PRODUCT SPECIFICATION

108-19078

NUMBER

SECURITY CLASSIFICATION

DC

3.5. Test Requirements and Procedures Summary (cont'd).

Para	Test Description	Requirements	Procedure
M E C H A N I C A L			
3.5.5.	Insertion Force ACTION PINS	1500 N maximum for 8 position 1125 N maximum for 6 position	Measure force necessary to mount Power Linking Terminal onto test board illustrated in Fig. 1 using proper insertion tooling.
3.5.6.	Extraction Force ACTION PINS	240 N min. for 8 position 180 N min. for 6 position.	Measure force necessary to remove Power Linking Terminal from printed circuit board.
E N V I R O N M E N T A L			
3.5.7.	Thermal Shock		Subject p.c.b. mounted terminals to 5 cycles of 30 min. at -55°C and 30 min. at +85°C IEC 512-6 test 11d.
3.5.8.	Dry Heat		Subject p.c.b. mounted terminals to 85°C for 56 days IEC 512-6 test 11i.

3.6. Test Sequence for Qualification.

Test Group	Test	Paragraph
1	Contact Resistance Temperature rise / current Current cycling Contact resistance	3.5.2. 3.5.3. 3.5.4. 3.5.2.
2	Insertion force Extraction force (half lot) Thermal Shock Dry Heat Extraction force (half lot)	3.5.5. 3.5.6. 3.5.7. 3.5.8. 3.5.6.

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LOC.

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SIZE

A4

AMP

AMP-HOLLAND B.V.
s-Hertogenbosch,
The Netherlands.

NO.

108-19078

SHEET

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REV.

B

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4. QUALITY ASSURANCE PROVISIONS.

4.1. Qualification Testing.

A. Sample selection.

Terminals shall be selected at random from current production.
Group 1 shall be inserted in p.c. boards in accordance with figure 1, having copper pads of sufficient size for the relevant test current.
Tabs linked with Faston (Bronze, tinplated) receptacles and wire 4 mm², length 25 cm min.
10 Terminals with 8 Action Pins and 10 terminals with 6 Action Pins.

Group 2 shall consist of 10 terminals with 8 Action Pins and 10 terminals with 6 Action Pins and testboards in accordance with figure 1. (Insertion during test).

B. Test Sequence.

Qualification inspection shall be verified by testing samples as specified in Paragraph 3.6.

4.2. Requalification Testing.

If changes significantly affecting form, fit or function are made to the product or to the manufacturing process, product assurance shall coordinate requalification testing, consisting of all or part of the original testing sequence as determined by development/product, quality and reliability engineering.

4.3. Acceptance.

Acceptance is based on verification that the products meet the requirements of paragraph 3.5. Failures attributed to equipment, test set-up or operator deficiencies shall not disqualify the product. When product failure occurs, corrective action shall be taken and samples resubmitted for qualification.

Testing to confirm corrective action is required before resubmittal.

4.4. Quality Conformance Inspection.

The applicable AMP quality inspection plan will specify the samples acceptable quality level to be used. Dimensional and functional requirements shall be in accordance with applicable product drawing and this specification.

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NO.

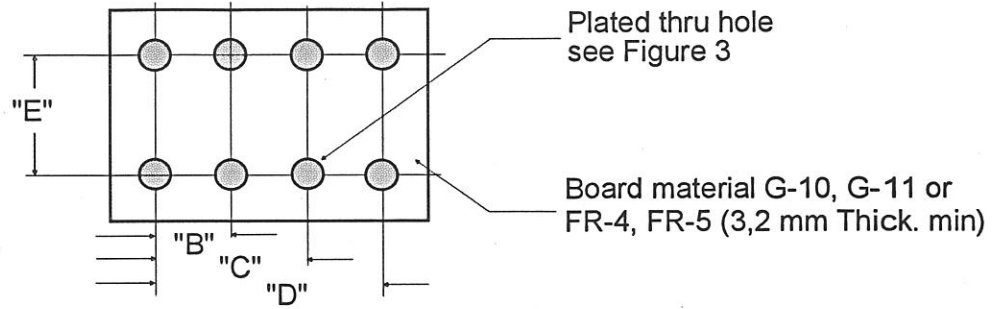
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REV.

B



Tab Contact	"B"	"C"	"D"	"E"
6 A.P.	2,54	5,08	---	7,62
8 A.P.	2,54	5,08	7,62	7,62

Rec'd Drill Size	Drilled Hole Dia	Plating Thickness		Hole Diameter	
		Copper	Tin/Lead	After Plating	After Reflow
1,60 mm	± 0,025	0,025	0,004	1,39	1,36
		0,075	0,010	1,54	1,54

Figure 1

Printed Circuit Test Board

Temperature measuring points.

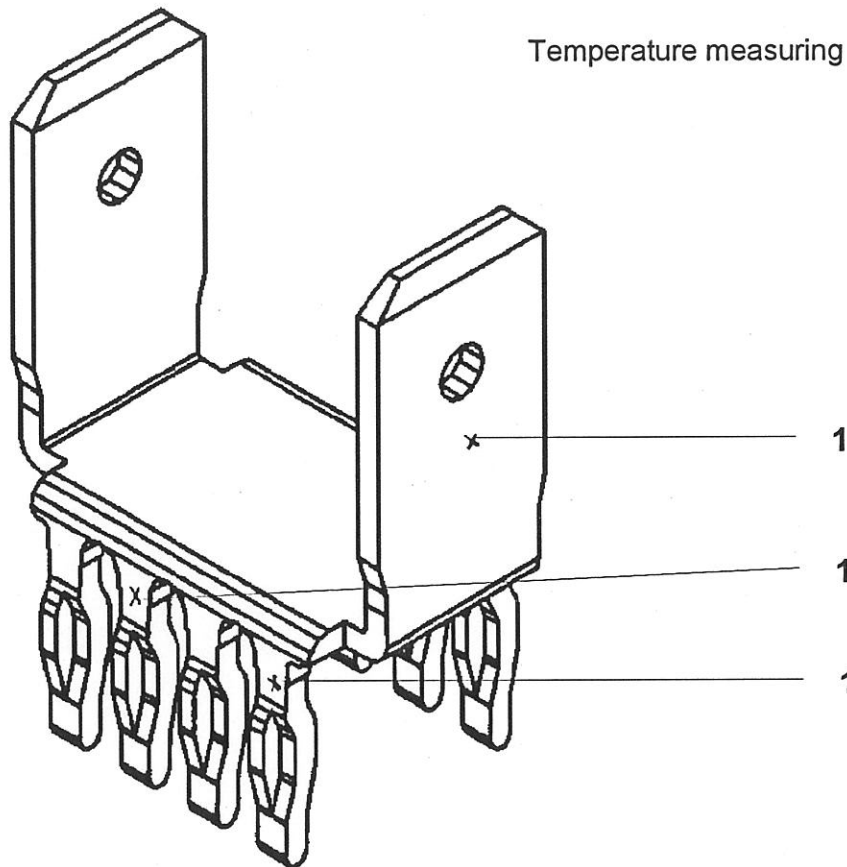


Figure 2

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