



Glenair, Inc. 1211 Air Way, Glendale, California, 91201

Tel: (818) 247-6000 Fax: (818) 247-7240

TEST REPORT: GT-25-121 July 2025

TEST REPORT: GT-25-121 FOR CONTACTS: 850-056 and 850-057

APPROVALS

Anthony Hui
Quality Engineer, Glenair, Inc.

8/12/25

Date

Henry Le
Product Engineer, Glenair, Inc

08/12/2025

Date

Frank
Quach

Digitally signed by Frank Quach
DN: cn=Frank Quach, c=US,
o=Glenair, Inc., ou=Engineering,
email=fquach@glenair.com
Date: 2025.08.12 12:58:11 -0700

Frank Quach
Engineering Manager, Contacts Product, Glenair, Inc.

08/12/2025

Date

Hunter
Lloyd

Digitally signed by Hunter Lloyd
DN: cn=Hunter Lloyd, c=US,
o=Glenair, ou=Product
Management,
email=hloyd@glenair.com
Date: 2025.08.12 10:54:51 -0700

Hunter Lloyd
Product Manager, Glenair, Inc.

8/12/2025

Date



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REVISION PAGE

REVISION	DATE	REVISED SECTION	DESCRIPTION OF REVISION	Approved
A	08/12/2025		RELEASED	H. Le



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APPLICABLE DOCUMENTS

SAE-AS39029	Contacts, Electrical Connector, General Specification for.
850-056	Combo D Power Contact Pin, 8 Gauge Interface with 12 or 16 Gauge.
850-057	Combo D Power Contact Socket, 8 Gauge Interface with 12 or 16 Gauge.
EIA-364	Electrical Connector/Socket Test Procedures including Environmental classifications.
280-046	Connector, Plug, D Subminiature Crimp, Environmental, Combo D MIL-DTL-24308 Style.
280-047	Connector, Receptacle, D Subminiature Crimp, Environmental, Combo D MIL-DTL-24308 Style.
QTP-1588	Glenair Inc Test Plan for Contacts: 850-056 and 850-057.

SCOPE



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Testing was conducted on Type A contacts, Glenair part number 850-056-0812, 850-056-0816, 850-057-0812 and 850-057-0816.

TEST SAMPLES

Table I – Group I Test Samples

Sample No.	Glenair Part No.	Wire Size
1-1S	850-057-0812	M22759/11-12-XX
1-2S	850-057-0812	M22759/11-12-XX
1-3S	850-057-0812	M22759/11-12-XX
1-4S	850-057-0812	M22759/11-14-XX
1-1P	850-056-0812	M22759/11-12-XX
1-2P	850-056-0812	M22759/11-12-XX
1-3P	850-056-0812	M22759/11-12-XX
1-4P	850-056-0812	M22759/11-14-XX

Table II – Group I Test Samples

Sample No.	Glenair Part No.	Wire Size
2-1S	850-057-0816	M22759/11-16-XX
2-2S	850-057-0816	M22759/11-16-XX
2-3S	850-057-0816	M22759/11-16-XX
2-4S	850-057-0816	M22759/11-18-XX
2-1P	850-056-0816	M22759/11-16-XX
2-2P	850-056-0816	M22759/11-16-XX
2-3P	850-056-0816	M22759/11-16-XX
2-4P	850-056-0816	M22759/11-18-XX



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Table III – Group II Test Samples

Sample No.	Glenair Part No.	Wire Size
3-1S	850-057-0812	M22759/11-12-XX
3-2S	850-057-0812	M22759/11-12-XX
3-1P	850-056-0812	M22759/11-12-XX
3-2P	850-056-0812	M22759/11-12-XX

Table IV – Group II Test Samples

Sample No.	Glenair Part No.	Wire Size
4-1S	850-057-0812	M22759/11-12-XX
4-2S	850-057-0812	M22759/11-14-XX
4-1P	850-056-0812	M22759/11-12-XX
4-2P	850-056-0812	M22759/11-14-XX

Table V – Group II Test Samples

Sample No.	Glenair Part No.	Wire Size
5-1S	850-057-0816	M22759/11-16-XX
5-2S	850-057-0816	M22759/11-16-XX
5-1P	850-056-0816	M22759/11-16-XX
5-2P	850-056-0816	M22759/11-16-XX



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Table VI – Group II Test Samples

Sample No.	Glenair Part No.	Wire Size
6-1S	850-057-0816	M22759/11-16-XX
6-2S	850-057-0816	M22759/11-18-XX
6-1P	850-056-0816	M22759/11-16-XX
6-2P	850-056-0816	M22759/11-18-XX



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TEST SUMMARY AND RESULTS

TABLE VII –Test Sequence Group: I

Inspection	QTP-1588	Test Samples Table	Results
Examination of Product	5.1	Table: I & II	PASS
Low Signal Contact Resistance	5.2		PASS
Contact Resistance	5.3		PASS
Contact Engagement & Separation Forces	5.4		PASS
Temperature Rise Versus Current	5.5		PASS
Thermal Shock	5.6		PASS
Low Signal Contact Resistance	5.2		PASS
Contact Resistance	5.3		PASS
Contact Engagement & Separation Forces	5.4		PASS
Crimp Tensile Strength	5.7		PASS



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TABLE VIII –Test Sequence Group: II

Inspection	QTP-1588	Test Samples Table	Results
Examination of Product	5.1	Table: III, IV, V & VI	PASS
Low Signal Contact Resistance	5.2		PASS
Contact Resistance	5.3		PASS
Contact Engagement & Separation Forces	5.4		PASS
Vibration	5.8		PASS
Shock	5.9		PASS
Low Signal Contact Resistance	5.2		PASS
Contact Resistance	5.3		PASS
Contact Engagement & Separation Forces	5.4		PASS



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APPENDIX A

Environmental Associates Test Report

RPT 31888



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APPENDIX B

Vertical Laboratories Test Report

25325R1AAV1