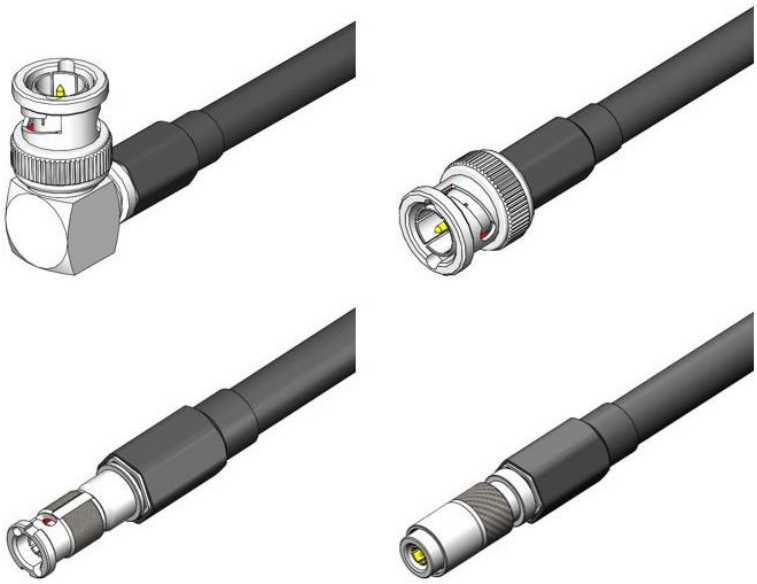
Project Number: Design Qualification Test Report	Tracking Code: 2543634_Report_Rev_1
Requested by: Iris Wang	Date: 10/6/2021
Part #: RFC6T-XXXXX	Tech: Peter Chen
Part description: RFC6T	Qty to test: 20
Test Start: 11/17/2020	Test Completed: 11/18/2020



Design Qualification Test Report

RFC6T-XXXXX

REVISION HISTORY

DATA	REV.NUM.	DESCRIPTION	ENG
10/6/2021	**1**	**Initial Issue**	**PC**

CERTIFICATION

All instruments and measuring equipment were calibrated to National Institute for Standards and Technology (NIST) traceable standards according to IS0 10012-l and ANSI/NCSL 2540-1, as applicable.

SCOPE

To perform the following tests: Design Qualification test. Please see test plan.

APPLICABLE DOCUMENTS

Standards: EIA Publication 364

TEST SAMPLES AND PREPARATION

1) All materials were manufactured in accordance with the applicable product specification.
2) All test samples were identified and encoded to maintain traceability throughout the test sequences.
3) Either an automated cleaning procedure or an ultrasonic cleaning procedure may be used.
4) The automated procedure is used with aqueous compatible soldering materials.
5) Any additional preparation will be noted in the individual test sequences.
6) Solder Information: Lead Free

FLOWCHARTS

Cable Pull

Group 1	Group 2	Group 3	Group 4
RFC6T-74RP3-505050-0153	RFC6T-74SP3-505050-0153	RFC6T-H4SP3-505050-0153	RFC6T-78SP4-505050-0153
6 Assemblies	6 Assemblies	6 Assemblies	6 Assemblies
0 Degrees	0 Degrees	0 Degrees	0 Degrees
Note: Hold connector and cable end 2, then pull until mechanical failure.	*Note: Hold connector and cable end 2, then pull until mechanical failure.*	*Note: Hold connector and cable end 2, then pull until mechanical failure.*	*Note: Hold connector and cable end 2, then pull until mechanical failure.*
Step **Description**	**Step** **Description**	**Step** **Description**	**Step** **Description**
1. Cable Pull (1) - Non Standard	1. Cable Pull (2) - Non Standard	1. Cable Pull (2) - Non Standard	1. Cable Pull (2) - Non Standard

(1) Cable Pull = EIA-364-38
Measure and Record Force Required to Failure
Failure = Discontinuity >1 microsecond at 10 ohms

(2) Cable Pull = EIA-364-38
Measure and Record Force Required to Failure
Failure = Discontinuity >1 microsecond at 10 ohms

ATTRIBUTE DEFINITIONS

The following is a brief, simplified description of attributes.

CABLE PULL:

1) Secure cable near center and pull on connector
    a. At 0°, in-line with cable

Fig. 1
0° Cable pull

RESULTS

Cable Pull Force

- **RFC6T-74RP3-505050-0153**
  - **Min----------88.51 Lbs**
  - **Max ----------95.45 Lbs**
- **RFC6T-74SP3-505050-0153**
  - **Min----------85.83 Lbs**
  - **Max ----------94.52 Lbs**
- **RFC6T-H4SP3-505050-0153**
  - **Min----------69.22 Lbs**
  - **Max ----------88.04 Lbs**
- **RFC6T-78SP4-505050-0153**
  - **Min----------69.48 Lbs**
  - **Max ---------- 103.05 Lbs**

DATA SUMMARIES

CABLE PULL FORCE

RFC6T-74RP3-505050-0153

	Force (lbs)
Minimum	**88.51**
Maximum	95.45
Average	91.04

RFC6T-74SP3-505050-0153

	Force (lbs)
Minimum	**85.83**
Maximum	94.52
Average	89.00

RFC6T-H4SP3-505050-0153

	Force (lbs)
Minimum	**69.22**
Maximum	88.04
Average	78.21

RFC6T-78SP4-505050-0153

	Force (lbs)
Minimum	**69.48**
Maximum	103.05
Average	87.10

EQUIPMENT AND CALIBRATION SCHEDULES

Equipment #: HZ-TCT-01
Description: Normal force analyzer
Manufacturer: Mecmesin Multitester
Model: Mecmesin Multitester 2.5-i
Serial #: 08-1049-04
Accuracy: Last Cal: 4/26/2019, Next Cal: 4/25/2020