

SPECIFICATION

For STP 10G Class E_A KEYSTONE JACK

I. Product Details

Part No.: 1A68TPZA

Screened 10GBASE-T, Class E_A Keystone Jack, with dual 568A/B wiring label



II. Approvals

1. Screened 10GBASE-T, Channel Class E_A by Delta
2. Applicable specifications:
 - Draft amendment 1 ISO/IEC 11801 2nd edition:2002, 25N1173
 - Draft ISO/IEC TR 24750
 - Draft ANSI/TIA/EIA-568-B.2 addendum 10
 - Draft IEEE 802.3an
 - Draft ANSI/TIA/EIA TSB-155

III. Electrical Specification

1. Insulation Resistance: $\geq 500 \text{ M}\Omega$
2. Dielectric Withstand Volt: 100VAC RMS 60Hz
3. Contact Resistance $\leq 20 \text{ m}\Omega$
4. Current Rating: 1.5A at 68°F

IV. Mechanical Specification

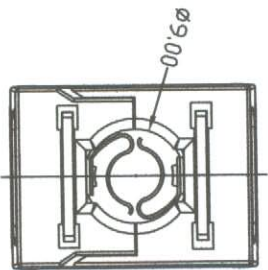
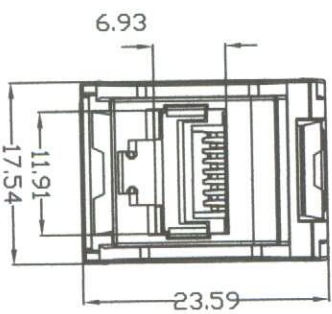
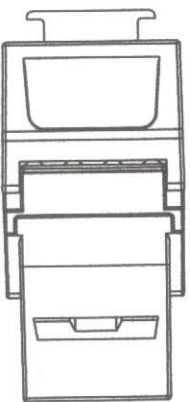
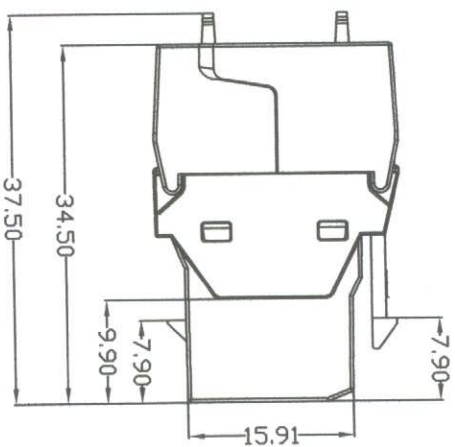
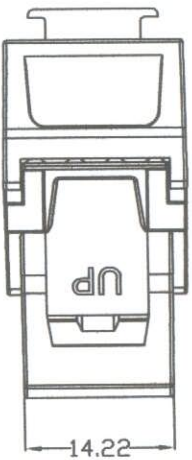
1. Plug insertion Life: ≥ 750 times plug in
2. Contact Force 99.2g (3.5oz) FCC Plug
3. Plug Retention Force: 30lb (133n/13.3Kg)
4. Temperature Test: -40 to 150°F (-40 to 66°C)
5. Contact Plating: 50u" over contact area



V. Packaging

1. Each in instruction printed poly bag
2. 50 pieces per inner box, 4 boxes per shipping carton
3. Accessories: Dust Cover, Copper Foil & Cable Tie

DEGREE CLASS	A	B	C	D
10 以下	±0.02	±0.05	±0.10	±0.15
10-50 以下	±0.05	±0.10	±0.15	±0.20
50-120 以下	±0.10	±0.15	±0.20	±0.25
120-300 以下	±0.15	±0.20	±0.25	±0.30
300-500 以下	±0.20	±0.25	±0.30	±0.35
500-1000 以下	±0.25	±0.30	±0.35	±0.40
1000-1500 以下	±0.30	±0.35	±0.40	±0.45
ANGEL	±0.2°	±0.5°	±1.0°	±1.5°



ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	初版發行	06.12.25	張志強
	B	更改接觸片	07.03.28	張志強

אדגנקום בע"מ
 אגודת ותיקי בדיקה לתקשורת
 03-5781364/5.5ט

MODEL:	A6-8PZ		TITLE:	尺寸檢驗圖	
DRAWN:	張志強	PART NO.		UNIT	MM
DESIGNED:		MATERIAL		SCALE	1:1
CHECKED:		FINISH		SHEET	1 OF 1
APPROVED:		TOOLING NO.		SIZE	A4
		DWG NO.		REV.	B

卓堯艾瑪電子有限公司
 ELMA1 ■ ELMA2 □



Compliance Statement

No. 2022-674

Connecting Hardware, Category 6A

Including 4 Pair Power over Ethernet (4PPoE)

(Un-mating connectors under electrical load of up to 2 A per conductor)

Company

EmCom Technology Inc.
7F No. 219, Sec. 3 Nanking E. Rd.,
Taipei
Taiwan

Product description

Screened Category 6A RJ45 Wall Outlet characterised up to 500 MHz, 100 Ω

Product identification

Q6-8PZA
1A68TPZA0
7A68TPZA0

Generic cabling and cabling components standards - Category 6A connector requirements

- ISO/IEC 11801-1:2017 (Ed. 1.0) / ISO/IEC 11801-2:2017 (Ed. 1.0)
- IEC 60603-7-51:2010
- EN 50173-1:2018 / EN 50173-2:2018
- TIA-568.2-D:2018
- IEC 60512-99-002:2022

Technical report

12131736-04, DANAK-19/22288

EC Cabling product ID

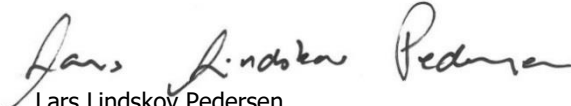
5318, 5319, 5714

CS valid until

1 February 2024

This product has been tested by FORCE Technology and complies with the electrical requirements of the above specified standards and "Terms and conditions for the EC VERIFIED programme for Generic and Coaxial Cabling", DQP231006. The testing included measurement of NEXT with a compliant test plug and calculation of all the 14 test cases in both measurement directions. The product takes part in a maintenance of certification schedule, which implies that FORCE Technology performs a quality audit of the manufacturer's production and QA sites. The maintenance testing of the product is performed on a sample basis once a year.

Hørsholm, 2 November 2022


Lars Lindskov Pedersen
Test Manager


Dennis Andersen
Head of Department

