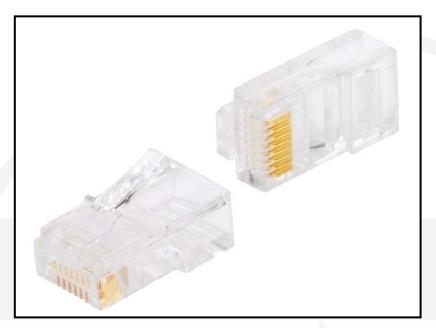## Modular Plug RJ45 (8P8C)

Modular Plug (**P88FB15 + P88FB50 + P88RB15 + P88RB50 + P88RB50S)**

8 position 8 contact plug used mainly for data cabling systems (eg Category 3, 4 and 5e). Know mainly as RJ45 connector but also used in RJ48 and RJ61 applications.

Features

- Suitable for round or flat cable

- UL listed

- Contact blades are suitable for stranded and/or solid wire from 24-26 AWG

- Available for UTP (unshielded) and FTP (shielded) cable

- Also available in keyed version known as RJ45S (PCU88k) and 10 position 10 contact versions known as RJ50 (PCW1010 and PGW1010) see 'Other Modular Plugs'

- Customised logos and colours are available to order

Specifications

- Housing: Polycarbonate, UL94V

- Contacts: Available in 15µ"/0.38µm and 50µ"/1.27µm gold plating over 100u" / 2.54µm Nickel plate over Phosphor Bronze

ROHS COMPLIANT √

DETAIL A

2.33MAX
0.89MIN
2.06MAX
1.32MAX
3.85 ±0.10
7.24
6.50 ±0.10
±0.20
2.77 ±0.10
7.90 ±0.10
13.51 ±0.10
1.24MIN
0.56 ±0.05

6.10 ±0.10
3.25 ±0.10
3.80 ±0.10
9.65 ±0.10
11.68 ±0.10

DETAIL A
1.02 ±0.02
1.02 ±0.03

22.50 ±0.10
21.50 ±0.10
1.02 ±0.45
0.51 ±0.05
6.40 ±0.10

DETAIL A

SPECIFICATIONS:
☐ MATERIAL
  HOUSING:POLYCARBONATE(PC),
  UL94V-0 OR UL94V-2,
  CONTACT:PHOSPHOR BRONZE
  FINE GOLD PLATED (1.27 μm / 50 μ")
  OVER NICKEL
☐ MECHANICAL
  CABLE TO PLUG TENSILE STRENGTH:
  20lbs MINIMUM,
  DURABILITY:200 MATING CYCLES MIN,

☐ ELECTRICAL
  UL APPLICATIONS:250 VOLTS AC
  MAX,AT 2 AMPS,
  DIELECTRIC WITHSTANDING VOLTAGE:
  500 VOLTS AC,
  INSULATION RESISTANCE:500 MEGOHMS,
  TERMINATION RESISTANCE:35 MILLIOHMS
  MAX,AFTER ENVIRONMENTAL TESTING,

APPD.		P/N.	P88FB50	50μ" Gold Plating
CHKD.			P88FB15	15μ" Gold Plating
DR.		TITLE		

TUK Ltd

| SCALE | / | SIZE | A4 |
| UNIT | MM | REV. | A |

| REV. | DESCRIPTION | ENG. | APPROVAL |

TUK

DETAIL A

6.33MAX
0.89MIN
5.89 ±0.10
2.06MAX
1.32MAX
1.24MIN
±0.20
±0.10
7.24
6.60
2.77
±0.10
7.90
±0.10
±0.05
0.56
13.51 ±0.10

±0.10
6.10
±0.10
3.25
ROUND
DETAIL A
±0.10
1.50
±0.10
3.60
9.65 ±0.10
11.68 ±0.10

1.02 ±0.02
±0.03
1.02
DETAIL A

22.50 ±0.10
21.50 ±0.10
1.02 ±0.05
±0.05
0.51
8.40 ±0.10

SPECIFICATIONS:

☐ MATERIAL
HOUSING:POLYCARBONATE(PC),
UL94V-0 OR UL94V-2,
CONTACT:PHOSPHOR BRONZE
FINE GOLD PLATED OVER NICKEL,

☐ MECHANICAL
CABLE TO PLUG TENSILE STRENGTH:
20lbs MINIMUM,
DURABILITY:200 MATING CYCLES MIN,

☐ ELECTRICAL
UL APPLICATIONS:250 VOLTS AC
MAX,AT 2 AMPS,
DIELECTRIC WITHSTANDING VOLTAGE:
500 VOLTS AC,
INSULATION RESISTANCE:500 MEGOHMS,
TERMINATION RESISTANCE:35 MILLIOHMS
MAX,AFTER ENVIRONMENTAL TESTING,

APPD.		P/N.	P88RB50 50μ" Gold Plating
CHKD.			P88RB15 15μ" Gold Plating
DR.		TITLE	

TUK Ltd

SCALE	/	SIZE	A4
UNIT	MM	REV.	A

REV.	DESCRIPTION	ENG.	APPROVAL

RoHS COMPLIANT

DETAIL A

FULL SHIELD

DETAIL A

③	Shielded	COPPER	—	1	ZSPG881XX
②	CONTACT	COPPER	—	8	GPXXXXX
①	HOUSING	PC	8P	1	PH88X100XS0
NO.	NAME	MATERIAL	SPECIFICATION	QTY'	REMARK

APPD.		P/N	P88RB50S		
CHKD.		FILE	50µ" Gold Plating		
DR.		TITLE	8P8C-Round—"BN"Mark-Shielded		

TUK Ltd

		SCALE	/	SIZE	A4
		UNIT	MM	REV.	B/0

B/0	⚠6	Change "4.5±0.1" to "4.2±0.1"			
REV.		DESCRIPTION	ENG.	DATE	APPROVAL