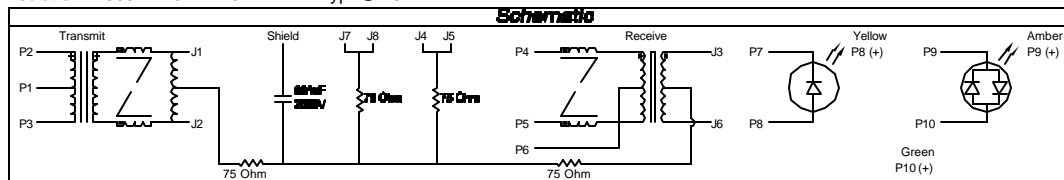


Electrical Performance of 10/100 Base-T @ 25°C

OCL (µH Min.)	Insertion Loss (dB Max.)	Return Loss (dB Min.)		CMRR (dB Min.)	CMD (dB Min.)	Turns Ratio (± 5 %)	Crosstalk (dB Min.)
@ 100 KHz, 100m Vrms 8 mA DC Bias	1-100 MHz	1-30 MHz	@ 60 MHz @ 80 MHz	100 KHz- 100 MHz	100 KHz- 100 MHz		1-100 MHz
350	-1	-20	-18	-12	-30	-30	Xmit - Rcv 1CT:1/1CT:1CT -35

Isolation: 1500 Vrms LEDs: Vf=2.1V Typ. @ 20mA

NOTE:
Kycon connectors containing LEDs must NOT be processed using Lead-Free Infra-Red reflow soldering using JEDEC-020C (or similar) profiles. Kycon suggests to process these components using Lead-Free WAVE soldering or Post Lead-Free IR reflow insertion methods only.



Material and Finish (USB)

Body: PBT, glass filled
UL94V-0 rated
color: black

Shield: 0.30mm thick
Copper alloy,
Tin plated

Mechanical Specifications (USB)

Mating Force: 3.6kg Max.

Unmating Force: 1.0kg Min.

Durability Rating:
1500 mating cycles min.

Electrical Specifications (USB)

Rated Voltage:
30V AC (rms)

Contact Current Rating:
1A Max.

Contact Resistance:
30 milliohms Max.

Insulation Resistance:
1000 Megohms Min.

Dielectric Withstanding Voltage:
750V AC

Material and Finish (GSP)

Body: PBT, glass filled
UL94V-0 rated
color: black

Shield: 0.30mm thick
Copper alloy,
Nickel plated
Tin plated solder tabs

Contact: Phosphor Bronze
Nickel underplate on
entire contact, tin
on termination end,
gold flash on contact
area

Electrical Performance (10/100 Base-T)

Category 5 100MHz Bandwidth Performance
Performance meets near end crosstalk (NEXT)
Requirements of -35dB @ 100MHz per
EIA/TIA 568A in applications where UL Approved
Category 5 cable (GA27-3773-1) is used

Electrical Specifications (RJ45)

Insulation Resistance:
500 Megohms Min.

Dielectric Withstanding Voltage:
1000 Volts RMS,
for 1 minute

Contact Resistance:
20 milliohms Max.

Contact Current Rating
1.5 Amps

Durability Rating:
750 mating cycles min.



Tolerances
X.X ± 0.25
X.XX ± 0.15
Unless Stated Otherwise

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A1	11/22/05	New Drawing	R. Aguirre	H. MA	R. Aguirre	11/21/05
A2	07/23/07	ECO #07-023	A. Frederick	H. MA		
A3	02/26/08	ECO #08-030	R. Aguirre	H. Ma		

GSPX-B-S2-GG-9100

over 2 Stacked USB A-type Jacks

Magnetic Filtered RJ45, RoHS Compliant

