



MATERIAL
 INSULATOR: PA66+30%GF
 CONTACT: COPPER ALLOY.
 PLATING: MATING AREA - GOLD 1u" OVER NICKEL.
 SOLDER AREA - TIN 100u" OVER NICKEL 50u" .

ELECTRICAL
 VOLTAGE RATING: 250 VAC RMS.
 CURRENT RATING: 1 AMP.
 DIELECTRIC WITHSTANDING VOLTAGE: 500 VAC RMS 60Hz FOR 1 MINUTE.
 INSULATION RESISTANCE: 1000 MEGOHMS MIN AT 500 VDC.
 CONTACT RESISTANCE: 30 MILLIOHMS MAX AT 1 AMP DC.

MECHANICAL
 RETENTION FORCE: 460 GRAMS MIN PER CONTACT.
 INSERTION FORCE: 230 GRAMS MAX PER CONTACT PAIR.
 WITHDRAWAL FORCE: 15 GRAMS MIN PER CONTACT PAIR.

ENVIRONMENTAL
 TEMPERATURE RANGE: -55°C TO +85°C.

RECOMMENDED PCB LAYOUT (TOP VIEW)

				TOLERANCE		Toby Electronics Ltd www.toby.co.uk sales@toby.co.uk		TITLE: PCI 120P CONN.				
				LINEAR	ANGLES			PART NO. 802-H-120S-R				
		MARK	2021/12/01	X.±0.30	X'±	APPD:	MAT'L:	DWG NO. PCI-120D				
				.X±0.30	.X'±	CHKD:	FINISH:		UNITS	SCALE	SHEET	REV
REV	ECN NO.	NAME	DATE	.XX±0.20	.XX'±	DRWN: Jason Deng	Q'TY:		MN	2 : 1	1 OF 1	A
				.XXX±0.05	.XXX'±							