

Archer Connectors – Polarized Specification

❖ 1.27mm pitch male and female connectors, for board-to-board connection with polarization.

❖ Materials

Housings:	High Temperature Plastic UL94V-0
Contacts:	Copper Alloy
Finish:	Gold

❖ Mechanical

Durability:	100 operations
Insertion force (max):	2.0N per contact
Withdrawal force (min):	0.15N per contact

❖ Electrical

Current:	1A per contact
Voltage proof:	300V AC, 500V DC for 1 minute
Contact resistance:	30mΩ max
Insulation resistance:	500MΩ min

❖ Environmental

Operating temperature:	-40°C to +105°C
Solderability:	245°C for 5 seconds
Soldering heat resistance:	260°C for 10 seconds

1.27mm (.050") PITCH

Mating Profiles

		MALE		
		VERTICAL THROUGHBOARD	HORIZONTAL THROUGHBOARD	VERTICAL SMT
FEMALE VERTICAL SMT				

All dimensions in mm.