

Specifications

Insulation Resistance: 1,000MΩ min. at 500 V DC
 Withstanding Voltage: 1,000 V AC rms for 1 minute
 Contact Resistance: 30mΩ max. at 10mA
 Current Rating: 1A
 Operating Temp. Range: -20°C to +105°C

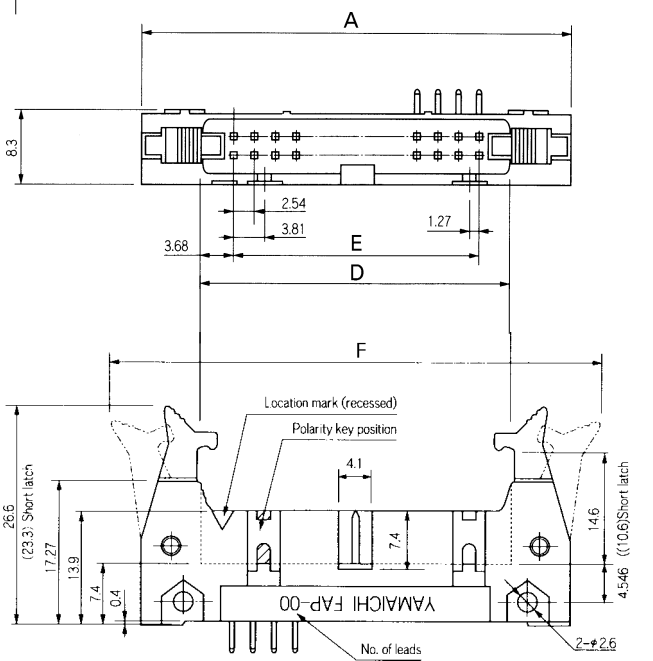
Materials and Finish

Housing: PBT, UL94V-0 rated
 Contacts: Copper Alloy
 Plating: Contacts - Gold over Nickel
 Solder Terminals - Tin over Nickel

Features

- 2.54 mm contact pitch connectors for MIL standard
- Variations include latch header plugs, box header plugs, and flat cable gang wired sockets
- Two types (short latch and middle latch) of latch header plugs available

Applicable Dimensions (Reference Only)



Part Number (Details)

FAP - 3401 - 1 1 0 * - 2 - 0 * S

Series (plug)

No. of Leads

Housing Types:

- 1=MIL Standard key slot (plus central key slot on 16 or more leads)
- 2=Central key slot (10 leads only)
- 4=With 2 key slots (50, 60, 64 leads)

Latch Types:

- 0 = Without Latches
- 1 = Short Latches (mating socket is without strain relief)
- 2 = Middle Latches (mating socket is with strain relief)

Terminal Types:

- 02 = Right Angle Solder Dip
- 04 = Straight Solder Dip

Housing Colour: 1 = Black, 2 = Blue (Standard)

0 = Mating Cables (1.27 pitch):

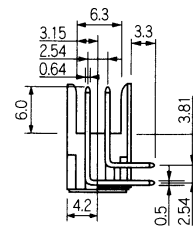
AWG 28 Stranded Wire or AWG 30 Solid Wire

Contact Plating: A = Gold (0.76µm over Ni 2.5-4.5µm)

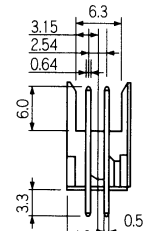
B = Gold (0.3-0.5 µm over Ni 2.5-4.5µm)

Solder Terminal Plating: S = Tin (2-4µm over Ni 2.5-4.5µm)

Contact Details and Terminal Types



Type 02 - Right angle solder dip terminal



Type 04 - Straight solder dip terminal

Part No.	No. of Leads	A	B	C	D	E	F(max.)
FAP-1001-***0*0*S	10	32.00	21.84	27.94	17.52	10.16	48.52
FAP-1401-***0*0*S	14	37.20	26.84	32.12	23.34	15.24	52.24
FAP-1601-***0*0*S	16	39.62	29.46	35.56	25.14	17.78	56.14
FAP-2001-***0*0*S	20	44.70	34.54	40.64	30.22	22.86	61.22
FAP-2601-***0*0*S	26	52.32	42.16	48.26	37.84	30.48	68.84
FAP-3001-***0*0*S	30	57.40	47.24	53.42	42.92	35.56	73.92
FAP-3401-***0*0*S	34	62.48	52.32	58.42	48.00	40.64	79.00
FAP-4001-***0*0*S	40	70.10	59.94	66.04	55.62	48.26	86.62
FAP-5001-***0*0*S	50	82.80	72.64	78.74	68.32	60.96	99.32
FAP-6001-***0*0*S	60	95.50	85.34	91.44	81.02	73.66	112.02
FAP-6401-***0*0*S	64	100.60	90.42	96.52	86.10	78.74	117.10

Recommended PCB Layout

Top View from Plug

