

LOW PROFILE SHROUDED POLARIZED HEADER (2.54mm)

302 Series

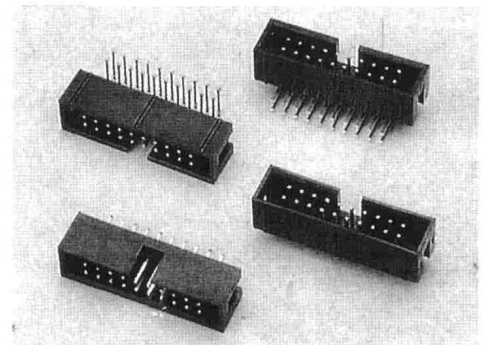
Material

Insulator : P.B.T. +30% Glass Fiber (UL94V-0)
Contact : Phosphor Bronze or Brass
Contact Plated : Gold over Nickel or Tin

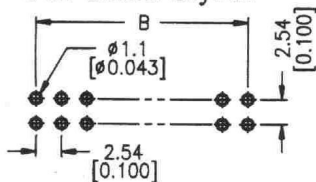
Specification

Current Rating : 1A
Dielectric Withstanding Voltage : AC 500V/min
Insulation Resistance : 1000M Ω Min. at 500V DC
Operating Temperature : -55°C ~ +105°C
Contact Resistance: 15m Ω Max

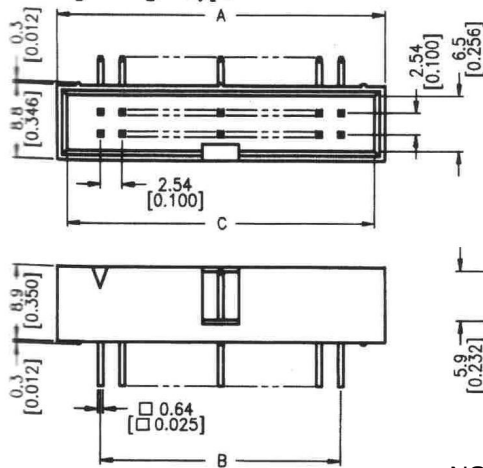
Dimension: $\frac{\text{mm}}{\text{inch}}$



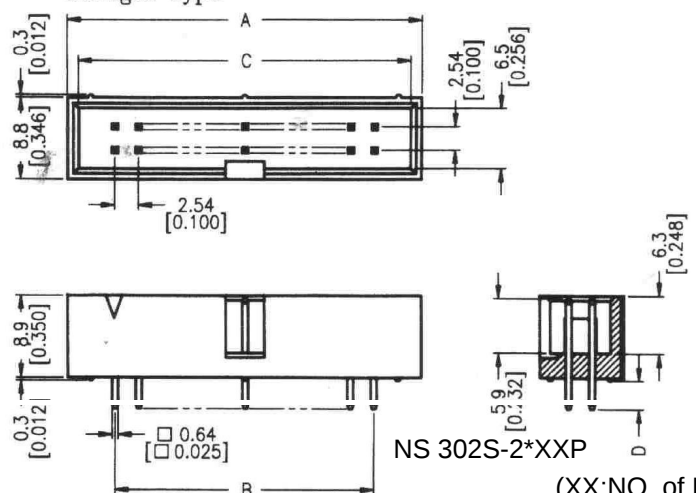
P.C. Board Layout



Right Angle Type



Straight Type



NS 302S-2*XXP

(XX:NO. of Positions
Per Row 10 thru 64)

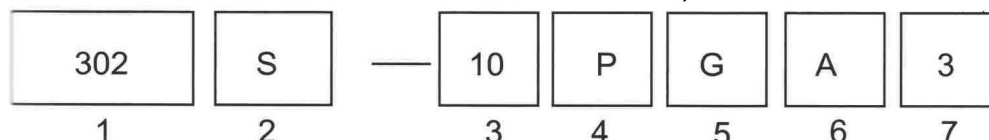
No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D
10	20.32 [0.800]	10.16 [0.400]	17.92 [0.706]	3.3 [0.130]
14	25.40 [1.000]	15.24 [0.602]	23.00 [0.906]	3.94 [0.155]
16	27.94 [1.100]	17.78 [0.700]	25.54 [1.006]	3.94 [0.155]
20	33.02 [1.300]	22.86 [0.900]	30.62 [1.206]	11.94 [0.470]
26	40.64 [1.600]	30.48 [1.200]	38.24 [1.506]	11.94 [0.470]
30	45.72 [1.800]	35.56 [1.400]	43.32 [1.706]	15.49 [0.610]

No. of Contacts	Dim. A	Dim. B	Dim. C	Dim. D
34	50.80 [2.000]	40.64 [1.600]	48.40 [1.906]	3.3 [0.130]
36	53.34 [2.100]	43.18 [1.700]	50.94 [2.006]	3.94 [0.155]
40	58.42 [2.300]	48.26 [1.900]	56.02 [2.206]	3.94 [0.155]
50	71.12 [2.800]	60.96 [2.400]	68.72 [2.706]	11.94 [0.470]
60	83.82 [3.300]	73.66 [2.900]	81.42 [3.206]	11.94 [0.470]
64	88.90 [3.500]	78.74 [3.100]	86.50 [3.406]	15.49 [0.610]

NS 302R-2*XXP

(XX:NO. of Positions
Per Row 10 thru 64)

Order Information



1.SERIES NO.
302

2.CONTACT TYPE

S=STRAIGHT TYPE
R=RIGHT ANGLE TYPE

3. CONTACT NUMBER

10 14 16 20 26 30
34 36 40 50 60 64

4.CONTACT TYPE

P=NON DISTRIBUTION

5.CONTACT PLATING

S=SELECTIVE GOLD
G=GOLD FLASH
C=15 μ " GOLD
D=30 μ " GOLD

6.CONTACT LENGTH(L)

A=3.3mm Standard

B=3.94mm
C=11.94mm
D=15.49mm

7.INSULATOR COLOR

1=WHITE
3=BLACK

Pitch:2.54*2.54mm(0.1"*0.1") Box Header Straight Dip Type

Technical Data

Material:

Contact Material: Brass

Insulator Material:Black Polyester UL94V-0

Standard:PBT+30%G.F

Electrical:

Current rating: 3Amps/contact max.

Contact resistance: $\leq 20\text{m}\Omega/\text{contact}$

Insulation resistance: $\geq 1000\text{M}\Omega$ at $V=100\text{V}$

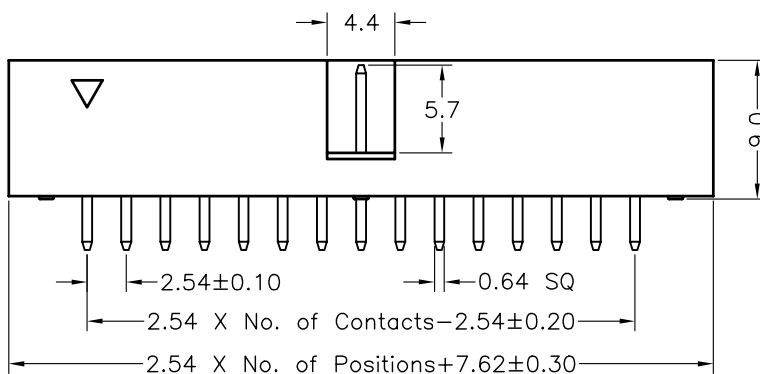
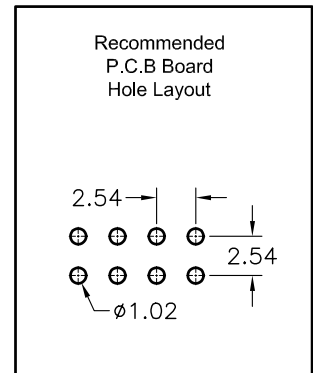
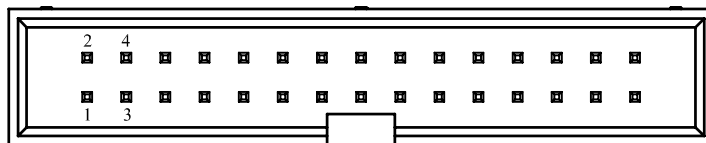
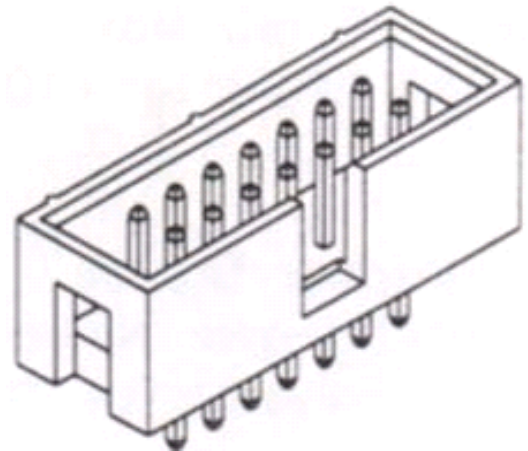
Withstanding Voltage:550V AC/minute

Mechanical:

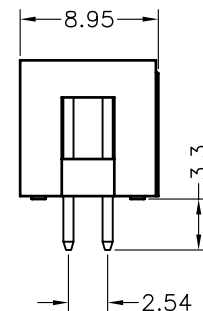
Operating temperatures: Gold Plated:-55° C to+105° C

Tin plated:-40° C to+105° C

Soldering temperature: +260° C,10s max.



302S-2*XXP (XX:NO. of Persition
Per Row 03 thru 32)



Pitch:2.54*2.54mm(0.1"*0.1")

Box Header Right Angle Dip Type

Technical Data

Material:

Contact Material: Brass

Insulator Material:Black Polyester UL94V-0

Standard:PBT+30%G.F

Electrical:

Current rating: 3Amps/contact max.

Contact resistance: $\leq 20\text{m}\Omega/\text{contact}$

Insulation resistance: $\geq 1000\text{M}\Omega$ at $V=100\text{V}$

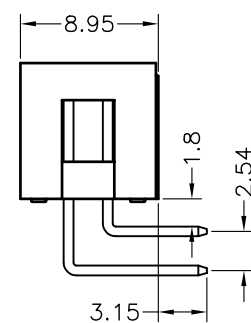
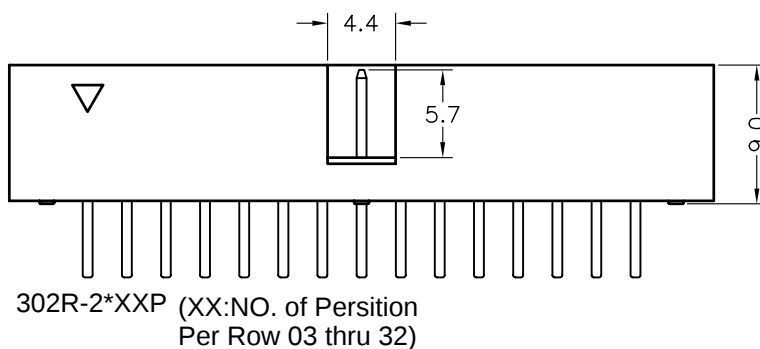
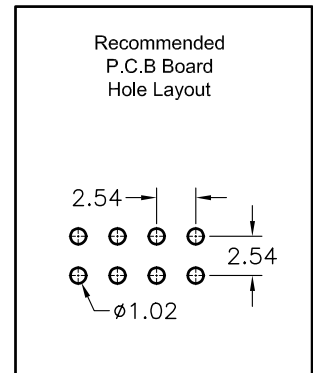
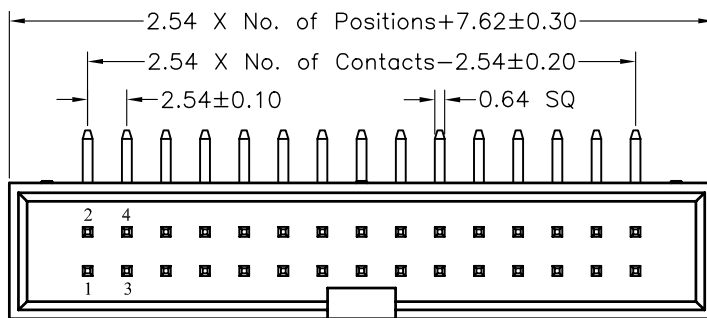
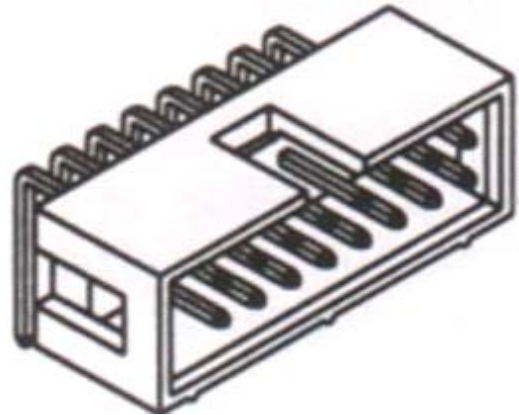
Withstanding Voltage:550V AC/minute

Mechanical:

Operating temperatures: Gold Plated:-55° C to+105° C

Tin plated:-40° C to+105° C

Soldering temperature: +260° C,10s max.



Pitch:2.54*2.54mm(0.1"*0.1")

Box Header S.M.T Type

Technical Data

Material:

Contact Material: Brass

Insulator Material:Black Polyester UL94V-0

Standard:PBT+30%G.F

Electrical:

Current rating: 3Amps/contact max.

Contact resistance: $\leq 20\text{m}\Omega/\text{contact}$

Insulation resistance: $\geq 1000\text{M}\Omega$ at $V=100\text{V}$

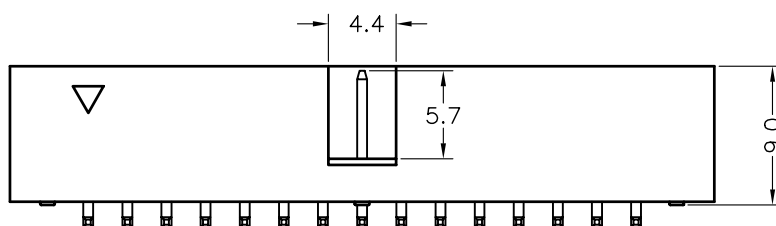
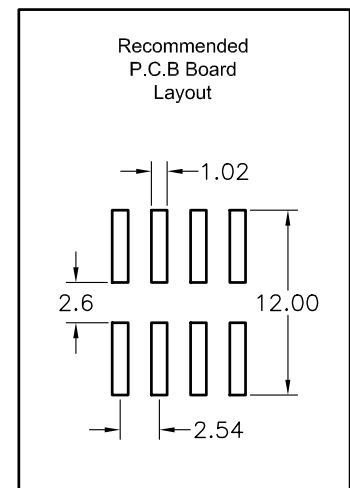
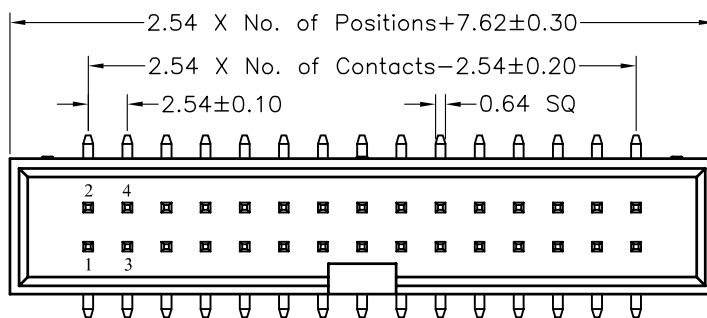
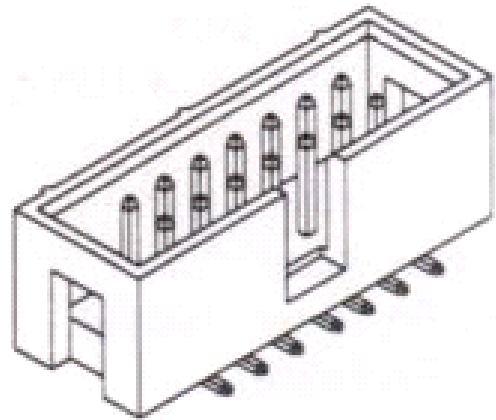
Withstanding Voltage:550V AC/minute

Mechanical:

Operaing temperatures: Gold Plsted:-55° C to+105° C

Tin plated:-40° C to+105° C

Soldering temperature: +260° C,10s max.



302SMT-2*XXP (XX:NO. of Persition
Per Row 03 thru 32)

