2.54mm PCB Receptacle with Cap
Single Row, Vertical, 7.5mm Height, SMD Type

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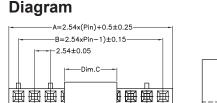## RoHS Compliant

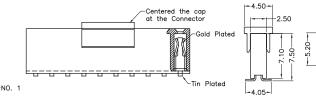### Specifications

Current Rating	: 3A AC/DC
Voltage Rating	: 250V AC/DC
Contact Resistance	: 20mΩ Max.
Insulation Resistance	: 1000MΩ Min.
Withstanding Voltage	: 600V AC for one minute
Operating Temperature Range	: -40°C to +105°C

Materials and Finish

Insulator	: High Temp. Plastic (Nylon 9T UL94V-0)
Insulator Colour	: Black
Contact Material	: Phosphor Bronze
Finish	: Gold Plated

Diagram

A=2.54x(Pin)+0.5±0.25
B=2.54xPin−1)±0.15
2.54±0.05
Dim.C
NO. 1

Centered the cap at the Connector
Gold Plated
Tin Plated

4.50
2.50
7.10
7.50
4.05

B=2.54x(Pin−1)±0.15
2.54
1.00
5.20
1.91
PCB Layout
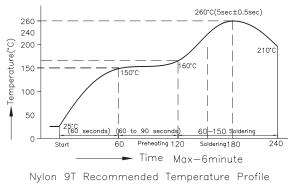No.1

Dimensions : Millimetres

Solderability Profile

Nylon 9T Material Temperature Specification

Solder regular Condition
Soldering temp.: 260°C±5°C
Time: 5±0.5 sec
Solder wetting percentage: 95% min

Reflow Condition

260°C(5sec±0.5sec)
210°C
160°C
150°C
25°C
(60 seconds) (60 to 90 seconds) 60−150 Soldering
Start   60   Preheating 120   Soldering180   240
Time   Max−6minute

Nylon 9T Recommended Temperature Profile

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Test Conditions

- Solder Method: Reflew or Wave
- Environment: Room air
- Solder Composition: Soldering Paste
- Test Board: 52mm × 36.5mm × 1.6mm thick
- This temperature profile is based on the above conditions. Individual applications the actual temperature may vary. Consult your solder paste and equipment manufacturer for specific recommendations
- There must not be visible defect after testing

Part Number Table

Description	Dimensions			Part Number
	A (mm)	B (mm)	C (mm)	
PCB Receptacle W/CAP, 2.54mm, Vertical, 7.5mm Height, 2POS, 1 Row, SMD	5.58	2.54	5.8	2212SM-02G-75-B1-PCR
PCB Receptacle W/CAP, 2.54mm, Vertical, 7.5mm Height, 3POS, 1 Row, SMD	8.12	5.08	5.8	2212SM-03G-75-B1-PCR
PCB Receptacle W/CAP, 2.54mm, Vertical, 7.5mm Height, 4POS, 1 Row, SMD	10.66	7.62	8.3	2212SM-04G-75-B1-PCR
PCB Receptacle W/CAP, 2.54mm, Vertical, 7.5mm Height, 5POS, 1 Row, SMD	13.2	10.16	5.8	2212SM-05G-75-B1-PCR
PCB Receptacle W/CAP, 2.54mm, Vertical, 7.5mm Height, 6POS, 1 Row, SMD	15.74	12.7	8.3	2212SM-06G-75-B1-PCR
PCB Receptacle W/CAP, 2.54mm, Vertical, 7.5mm Height, 7POS, 1 Row, SMD	18.28	15.24	5.8	2212SM-07G-75-B1-PCR
PCB Receptacle W/CAP, 2.54mm, Vertical, 7.5mm Height, 8POS, 1 Row, SMD	20.82	17.78	8.3	2212SM-08G-75-B1-PCR
PCB Receptacle W/CAP, 2.54mm, Vertical, 7.5mm Height, 9POS, 1 Row, SMD	23.36	20.32	5.8	2212SM-09G-75-B1-PCR
PCB Receptacle W/CAP, 2.54mm, Vertical, 7.5mm Height, 10POS, 1 Row, SMD	25.9	22.86	8.3	2212SM-10G-75-B1-PCR
PCB Receptacle W/CAP, 2.54mm, Vertical, 7.5mm Height, 12POS, 1 Row, SMD	30.98	27.94	8.3	2212SM-12G-75-B1-PCR
PCB Receptacle W/CAP, 2.54mm, Vertical, 7.5mm Height, 14POS, 1 Row, SMD	36.06	33.02	8.3	2212SM-14G-75-B1-PCR
PCB Receptacle W/CAP, 2.54mm, Vertical, 7.5mm Height, 18POS, 1 Row, SMD	46.22	43.18	8.3	2212SM-18G-75-B1-PCR
PCB Receptacle W/CAP, 2.54mm, Vertical, 7.5mm Height, 20POS, 1 Row, SMD	51.3	48.26	8.3	2212SM-20G-75-B1-PCR

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