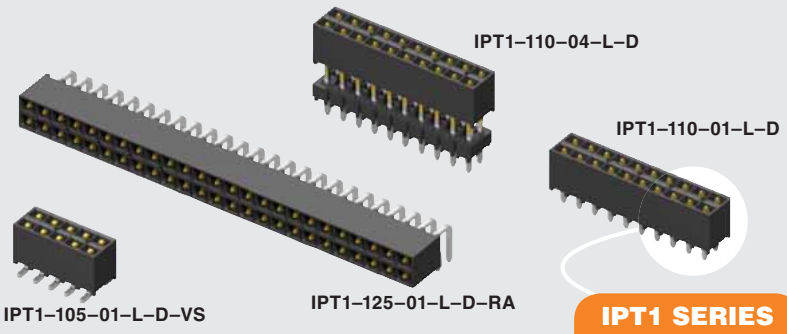
samtec

mini MATE

(2,54 mm) .100"



IPT1 SERIES

SHROUDED POWER CONNECTOR SET

SPECIFICATIONS

For complete specifications see www.samtec.com?IPT1

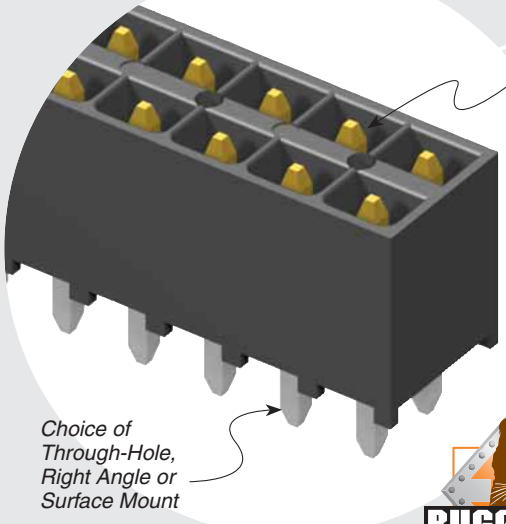
Insulator Material: Black LCP
Contact Material: Phosphor Bronze
Plating: Sn or Au over 50µ" (1.27 µm) Ni
Operating Temp Range: -55°C to +105°C with Tin; -55°C to +125°C with Gold
Insertion Depth: (3.81 mm) .150" to (6.48 mm) .255"
Wiping Distance: (0.38 mm) .015"
Insertion Force (SMT): 3.0 oz (0.83 N) avg.
Withdrawal Force (SMT): 2.6 oz (0.72 N) avg.
Insertion Force (T/H): 6.0 oz (1.67 N) avg.
Withdrawal Force (T/H): 5.0 oz (1.39 N) avg.
Voltage Rating: 775 VAC/1095 VDC
RoHS Compliant: Yes

Processing:

Lead–Free Solderable: Yes
SMT Lead Coplanarity: (0.13 mm) .005" max (05-10) (0.15 mm) .006" max (15-25)

Mates with: IPS1

IPT1/IPS1	
PINS	CURRENT RATING (PER CONTACT)
1	5.9 A
2	4.8 A
3	4.1 A
4	3.6 A
ALL	2.3 A



RUGGEDIZED by SAMTEC

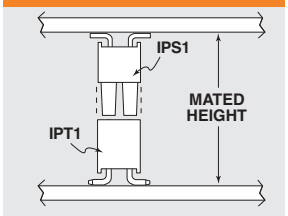
- Individually shrouded contacts
- Locking clip option

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality

FILE NO. E111594

APPLICATION



ALSO AVAILABLE (MOQ Required)

- Other sizes
- Other platings
- Latching feature
- No. 1 position polarized

Contact Samtec.

Note: Some sizes, styles and options are non-standard, non-returnable.

IPT1 – 1 – NO. PINS PER ROW – LEAD STYLE – PLATING OPTION – D – TAIL OPTION – OTHER OPTION

NO. PINS PER ROW: 05, 10, 15, 20, 25 (Standard sizes)

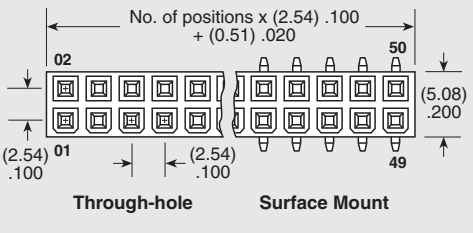
LEAD STYLE: Specify LEAD STYLE from chart

PLATING OPTION:
–L = 10µ" (0.25 µm) Gold on contact, Matte Tin on tail

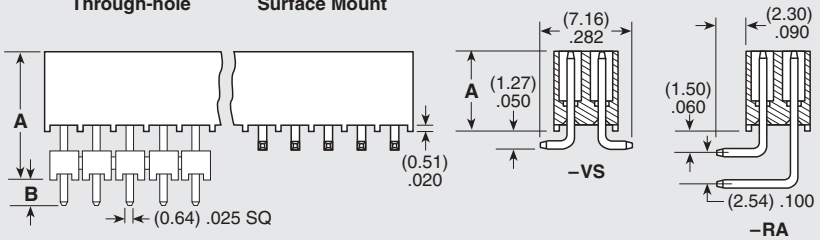
TAIL OPTION: Requires –01 Lead Style (Leave blank for Through-Hole)
–RA = Right Angle
–VS = Surface Mount

OTHER OPTION:
–A = Alignment Pin (–VS only) (N/A with -LC)
–LC = Locking Clip (Manual placement required) (–VS only) (N/A with -A)
–K = (6.00 mm) .236" DIA Polyimide film Pick & Place Pad (–VS only)
–TR = Tape & Reel Packaging (–VS only)

LEAD STYLE	MATED HEIGHT	A	B
–01	(11.05) .435	(6.35) .250	(2.16) .085
-01-VS	(13.59) .535	(6.35) .250	N/A
–02	(14.00) .551	(9.30) .366	(2.64) .104
–03	(16.00) .630	(11.30) .445	(2.16) .085
–04	(17.00) .669	(12.30) .484	(2.69) .106
–05	(19.00) .748	(14.30) .563	(2.46) .097
–06	(20.00) .787	(15.30) .602	(2.35) .093
–07	(25.00) .984	(20.30) .799	(2.31) .091
–08	(30.00) 1.181	(25.30) .996	(2.39) .094
–09	(35.00) 1.378	(30.30) 1.193	(2.46) .097



Through-hole Surface Mount



Due to technical progress, all designs, specifications and components are subject to change without notice.