

JST
Crimp

Single-circuit

SIN TERMINAL

Board-in Crimp style terminals



It is time consuming to directly solder the many wires that are required on densely packed printed circuit boards. The SIN terminal is crimped to a wire, inserted into a hole in a printed circuit board, then soldered. Solderability is enhanced because solder does not enter the wire, thus ensuring a safe and secure connection. This terminal is ideal for permanent connection of jumper wires onto a printed circuit board or for connection to external circuits.

Features

- Compliant board retention feature insures secure mounting before and during solderring.
- Wires can be machine secured to terminals
- Strain relief minimizes wires.

Specifications

- Current rating: Depends on applicable wires
- Temperature range: -25°C to +85°C
(including temperature rise in applying electrical current)
- Applicable wire: AWG #30 to #12
- Applicable PC board thickness: 1.6mm(.063")
- * Contact JST for details.

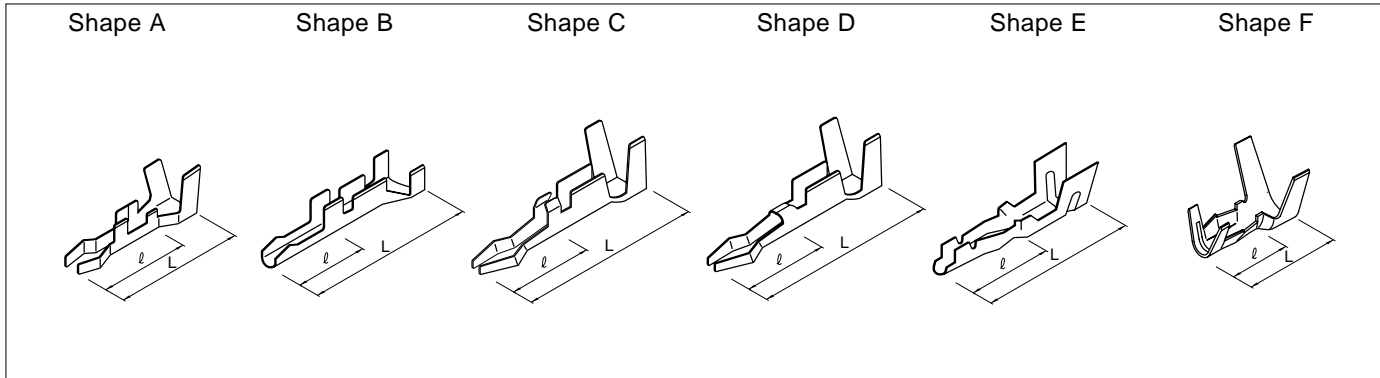
Standards

 Recognized E60389

 Certified LR20812

SIN TERMINAL

Terminal



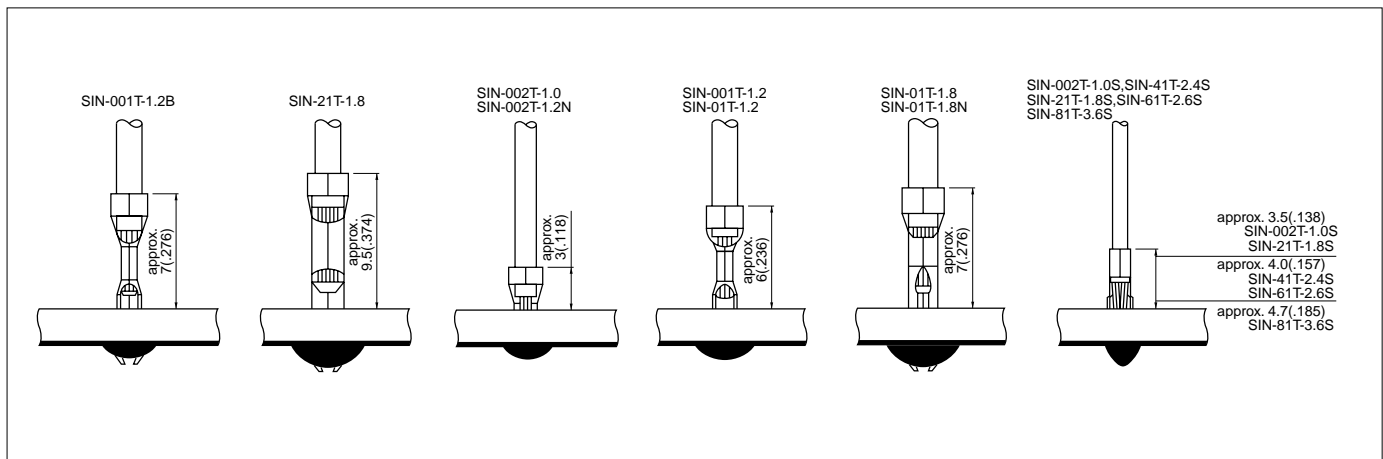
Model No.	Shape	Applicable wire			L mm(in.)	l mm(in.)	Applicable PCB		Q'ty / reel
		mm ²	AWG #	Insulation O.D. mm(in.)			Thickness mm(in.)	Hole diameter mm(in.)	
SIN-002T-1.0	A	0.08 to 0.13	28 to 26	0.8 to 1.3(.031 to .051)	5.8(.228)	3.1(.122)	1.6(.063)	1.0 ± 0.05(.039 ± .002)	9,000
SIN-001T-1.2	B	0.05 to 0.15	30 to 26	0.8 to 1.4(.031 to .055)	9.1(.358)	3.05(.120)	1.2(.047)	[1.20 (.047)]	7,500
SIN- 01T-1.2		0.2 to 0.5	24 tp 20	1.5 to 2.3(.059 to .091)	9.1(.358)	3.05(.120)			5,000
SIN- 01T-1.8	C	0.13 to 0.5	26 to 20	1.2 to 2.5(.047 to .098)	10.0(.394)	3.55(.140)	1.6(.063)	1.80 ^{+0.1} ₀ (.071 ^{+0.004})	7,000
SIN- 01T-1.8N		0.13 to 0.5	26 to 20	1.2 to 2.5(.047 to .098)	10.0(.394)	3.55(.140)			7,000
SIN-001T-1.2B	D	0.05 to 0.22	30 to 24	0.9 to 1.5(.035 to .059)	10.0(.394)	3.5(.138)	1.6(.063)	1.2 ± 0.05(.047 ± .002)	11,000
SIN-002T-1.2N	A	0.08 to 0.13	28 to 26	0.9 to 1.4(.035 to .055)	6.0(.236)	3.3(.130)			9,000
SIN- 21T-1.8	D	0.30 to 0.83	22 to 18	1.7 to 3.8(.067 to .150)	12.6(.496)	3.6(.142)	1.6(.063)/1.2(.047)	1.80 ^{+0.1} ₀ (.071 ^{+0.004})	3,000
SIN-002T-1.0S	E	0.08 to 0.13	28 to 26	0.8 to 1.3(.031 to .051)	7.0(.276)	3.5(.138)		1.0 ± 0.05(.039 ± .002)	13,000
*SIN- 21T-1.8S	F	0.30 to 0.83	22 to 18	1.5 to 3.0(.059 to .118)	7.6(.299)	4.1(.161)	1.6(.063)	1.80 ^{+0.1} ₀ (.071 ^{+0.004})	4,500
*SIN- 41T-2.4S		0.83 to 1.31	18, 16	2.8 to 3.4(.110 to .134)	8.3(.327)	4.3(.169)		2.4 ± 0.05(.094 ± .002)	3,000
*SIN- 61T-2.6S		2.0	14	3.4 to 3.8(.134 to .150)	8.3(.327)	4.3(.169)		2.5 ^{+0.1} ₀ (.098 ^{+0.004})	3,000
*SIN- 81T-3.6S		3.3	12	4.0 to 4.2(.157 to .165)	9.2(.362)	4.5(.177)		3.55 ± 0.05(.140 ± .002)	2,000

Material and Finish

Brass, copper-undercoated, tin-plated

- Note:
1. The SIN-01T-1.8N terminal requires less force for insertion into a PC board.
 2. * marked terminals are for the use of larger wires (Wire conductors are to be soldered). Contact JST for the details of regarding specifications.
 3. Hole dimensions may differ according to the kind of PC board and piercing method.

Assembly layout



Applicator for the semi-automatic press AP-K2N

Contact	Crimp applicator MKS-L(-IN/-SIN/-SIN3)		Compact crimp applicator MKS-LS		Strip-crimp applicator MKS-SC
	with safety cover	without safety cover	with safety cover	without safety cover	with safety cover
SIN-002T-1.0	APLMK SIN002-10	APLNC SIN002-10	-	-	APLSC SIN002-10
SIN-001T-1.2	APLMK SIN001-12	APLNC SIN001-12	-	-	APLSC SIN001-12
SIN-01T-1.2	APLMK SIN01-12	APLNC SIN01-12	-	-	APLSC SIN01-12
SIN-01T-1.8(N)	APLMK SIN01-18	APLNC SIN01-18	-	-	APLSC SIN01-18
SIN-001T-1.2B	APLMK SIN01-12B	APLNC SIN01-12B	-	-	APLSC SIN01-12B
SIN-002T-1.2N	APLMK SIN002-12N	APLNC SIN002-12N	-	-	APLSC SIN002-12N
SIN-21T-1.8	APLMK SIN21-18	APLNC SIN21-18	-	-	APLSC SIN21-18
SIN-002T-1.0S	APLMK SIN002-10S	APLNC SIN002-10S	-	-	-
SIN-21T-1.8S	APLMK SIN21-18S	APLNC SIN21-18S	-	-	APLSC SIN21-18S
SIN-41T-2.4S	APLMK SIN41-24S	APLNC SIN41-24S	-	-	-
SIN-61T-2.6S	APLMK SIN61-26S	APLNC SIN61-26S	-	-	-
SIN-81T-3.6S	APLMK SIN81-36S	APLNC SIN81-36S	-	-	-