

Surface  
**SMT**  
Mount

# BOARD STACKER TW SERIES

## SPECIFICATIONS

For complete specifications see [www.samtec.com?TW](http://www.samtec.com?TW)

**Insulator Material:**  
Black Liquid Crystal Polymer



**Terminal Material:**  
Phosphor Bronze



**Plating:**  
Sn or Au over 50µ" (1.27µm) Ni

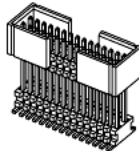
**Current Rating:**  
3A @ 80°C ambient

**Operating Temp Range:**  
-55°C to +105°C with Tin;  
-55°C to +125°C with Gold

**Mates with:**  
CLT, SQT, SQW, ESQT,  
TLE SMM, MMS, TCSD

## APPLICATION SPECIFIC OPTIONS

End shrouds with or without guide posts available. Call Samtec for stacker height ranges and standard part numbers on double row.



(2,00mm)  
.0787" pitch

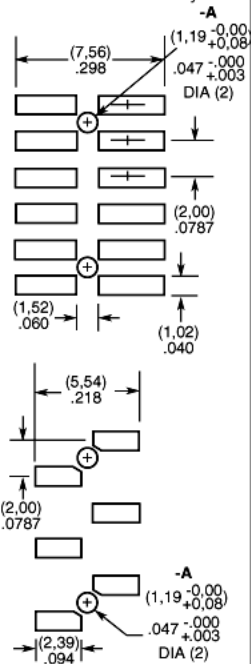
Available with optional Pick-and-Place pads

Available with optional Alignment Pins or Locking Clips



## Processing:

**Max Processing Temp:**  
230°C for 60 seconds, or  
260°C for 20 seconds 3x with all Au or Matte Sn  
**Lead-Free Solderable:**  
Yes, with all Au or Matte Sn plating  
**SMT Lead Coplanarity:**  
(0,15mm) .006" max  
**Suggested Paste Thickness:**  
For most applications add (0,05mm) .002" to max SMT lead coplanarity  
**Suggested PCB Layouts:**  
For reference only. Please contact Samtec or go to [www.samtec.com?TW](http://www.samtec.com?TW) for recommended PCB layout.



**Note:** This Series is non-standard, non-returnable.

TW	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	ROW OPTION	STACKER HEIGHT	SM	OTHER OPTIONS
02 thru 36		Specify LEAD STYLE from chart below.	-G = 20µ" (0,51µm) Gold post, Gold flash on tail  -S or -SM = 30µ" (0,76µm) Gold post, Tin (-S) or Matte Tin (-SM) on tail  -L or -LM = 10µ" (0,25µm) Gold post, Tin (-L) or Matte Tin (-LM) on tail  -T or -TM = Tin (-T) or Matte Tin (-TM)	-S = Single Row  -D = Double Row	-"XXX" = Stacker Height In inches (0,13mm) .005" increments Example: -250 = (6,35mm) .250"		-"XXX" = Polarized Position  -A = Alignment Pin (Metal or plastic at Samtec discretion) (4,83mm) .190" min. board space (-D only)  -P = Pick & Place Pad (1,91mm) .075" min. post height (04-36 only)  -TR = Tape & Reel Packaging

ROW OPTION	A
-S	(5,08) .200
-D	(6,35) .250

LEAD STYLE	OAL
-02	(7,85) .309
-03	(11,86) .467
-04	(12,37) .487
-06	(15,37) .605
-07	(17,35) .683
-09	(9,86) .388

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

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**SAMTEC USA** • Tel: 1-800-SAMTEC-9 or 812-944-6733 • Fax: 812-948-5047  
**SAMTEC GERMANY** • Tel: +49 (0) 89 / 89460-0 • Fax: +49 (0) 89 / 89460-299  
**SAMTEC SCANDINAVIA** • Tel: +46-84477280 • Fax: +46-87420413  
**SAMTEC ASIA PACIFIC** • Tel: 65 6745-5955 • Fax: 65 6841-1502  
**SAMTEC HONG KONG** • Tel: 852-26904858 • Fax: 852-26904842  
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**SAMTEC TAIWAN** • Tel: 886 02 2698-3367 • Fax: 886 02 8698-2159  
**SAMTEC ANZ** • Tel: 613 9512 7747 • Fax: 613 9512 7745