

# EDGE MOUNT SOCKET STRIP EMT, SM2 SERIES

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?EMT](http://www.samtec.com?EMT) or [www.samtec.com?SM2](http://www.samtec.com?SM2)

**Insulator Material:**  
Black Liquid Crystal Polymer



**Contact Material:**  
EMT=BeCu  
SM2=Phosphor Bronze

**Current Rating:**  
3A @ 80°C ambient  
**Operating Temp Range:**  
-55°C to +125°C

**Plating:**  
Sn or Au over  
50µ" (1,27µm) Ni

**Contact Resistance:**  
10 mΩ max

**EMT Insertion Depth:**  
(3,05mm) .120" to  
(3,30mm) .130"

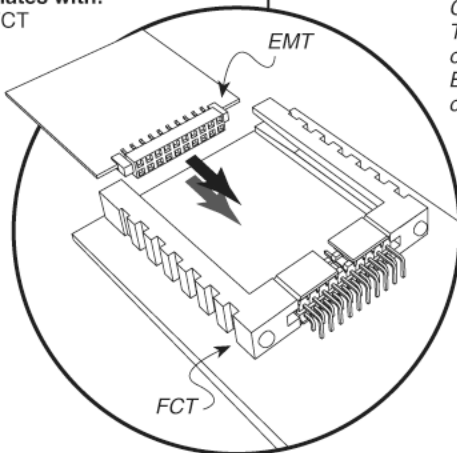
**EMT Insertion Force:**  
(Single contact only)  
-01=1.5oz (0,44N) average  
-51=2.5oz (0,70N) average

**EMT Withdrawal Force:**  
(Single contact only)  
-01=1.1oz (0,31N) average  
-51=1.5oz (0,44N) average  
**RoHS Compliant:**  
Yes

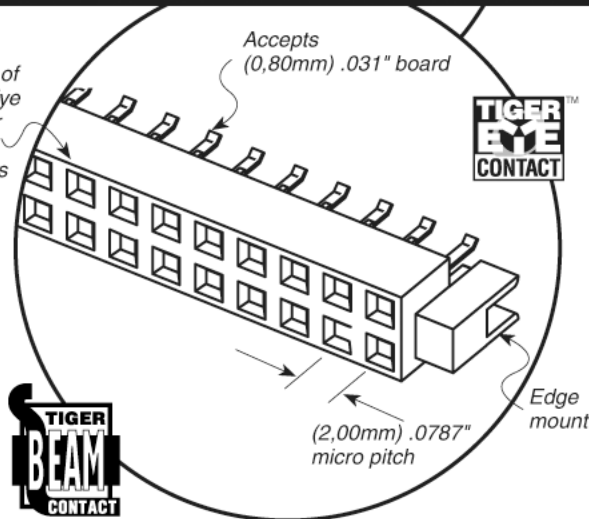
## Processing:

**Max Processing Temp:**  
230°C for 60 seconds or  
260°C for 20 seconds 3x  
with Matte Sn plating  
**Lead-Free Solderable:**  
Yes, with Matte Sn plating  
**SMT Lead Coplanarity:**  
(0,10mm) .004" max (02-20)  
(0,15mm) .006" max (30-50)

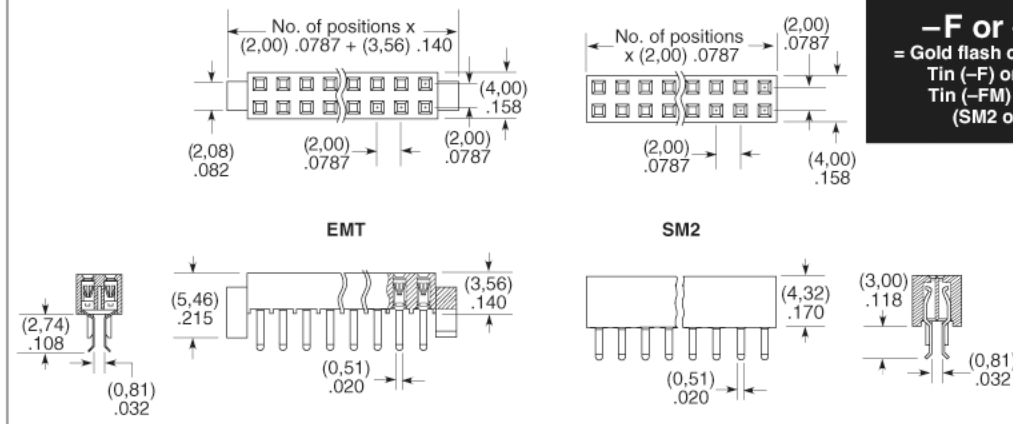
Mates with:  
FCT



Choice of  
Tiger-Eye  
or Tiger  
Beam  
contacts



<b>TYPE STRIP</b>	<b>1</b>	<b>NO. PINS PER ROW</b>	<b>CARD THICKNESS</b>	<b>PLATING OPTION</b>
<b>EMT</b> = Tiger Eye Contact	<b>20, 30 &amp; 40</b> = EMT Series	<b>SM2 = 02 thru 50</b> = SM2 Series (Call Samtec for other sizes)	<b>-01</b> = (0,80mm) .031" thick board (Low Insertion Force)	<b>-S or -SM</b> = 30µ" (0,76µm) Gold on contact, Tin (-S) or Matte Tin (-SM) on tail (EMT only)
<b>SM2</b> = Tiger Beam Contact			<b>-51</b> = (0,80mm) .031" thick board (Standard Insertion Force) EMT only	<b>-L or -LM</b> = 10µ" (0,25µm) Gold on contact, Tin (-L) or Matte Tin (-LM) on tail
				<b>-F or -FM</b> = Gold flash on contact, Tin (-F) or Matte Tin (-FM) on tail (SM2 only)



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

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

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