

# EDGE MOUNT SOCKET STRIP EMT, SM2 SERIES

## SPECIFICATIONS

For complete specifications 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:

-65°C to +125°C

### Plating:

Sn or Au over  
50µ" (1,27µm) Ni

### Contact Resistance:

10 m 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)

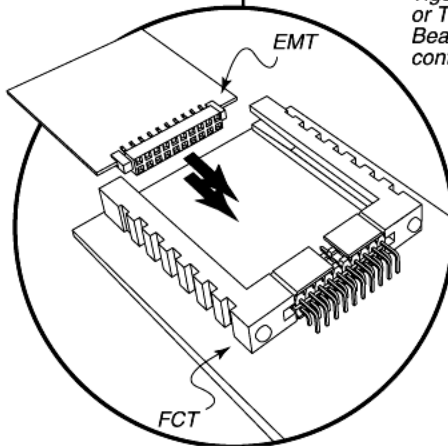
-01=1.1oz (0,31N) average

-51=1.5oz (0,44N) average

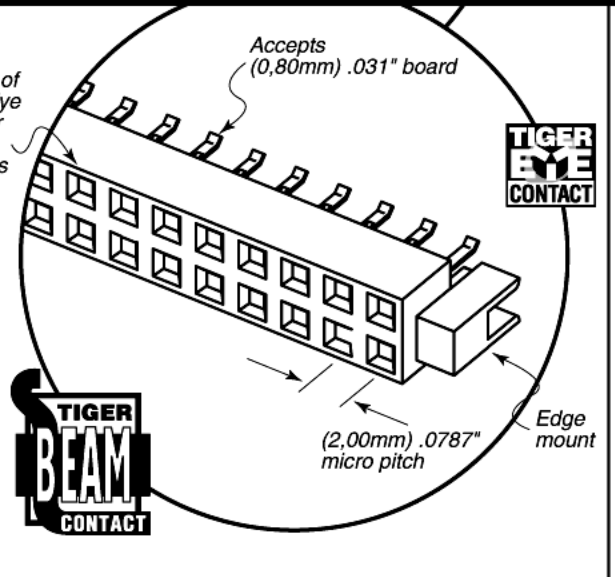
### Note:

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

Mates with:  
FCT



Choice of Tiger-Eye or Tiger Beam contacts



## Processing:

### Max Processing Temp:

230°C for 60 seconds

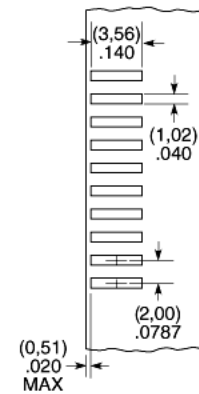
### SMT Lead Coplanarity:

(0,10mm) .004" max (02-20)

(0,15mm) .006" max (30-50)

### Suggested PCB Layouts:

For reference only. Please contact Samtec or go to [www.samtec.com?EMT](http://www.samtec.com?EMT) or [www.samtec.com?SM2](http://www.samtec.com?SM2) for recommended PCB layout.



<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>-L</b> = 10µ" (0,25µm) Gold on contact, Tin on tail
<b>SM2</b> = Tiger Beam Contact			<b>-51</b> = (0,80mm) .031" thick board (Standard Insertion Force) EMT only	<b>-S</b> = 30µ" (0,76µm) Gold on contact, Tin on tail (EMT only)
				<b>-F</b> = Gold flash on contact, Tin on tail (SM2 only)

<p>No. of positions x (2,00) .0787 + (3,56) .140</p> <p>(2,08) .082 (2,00) .0787 (2,00) .0787 (4,00) .158</p> <p><b>EMT</b></p> <p>(5,46) .215 (3,56) .140 (0,51) .020 (0,81) .032</p>	<p>No. of Positions x (2,00) .0787</p> <p>(2,00) .0787 (2,00) .0787 (4,00) .158</p> <p><b>SM2</b></p> <p>(4,32) .170 (3,00) .118 (0,81) .032</p>
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Due to technical progress, all designs, specifications and components are subject to change without notice.