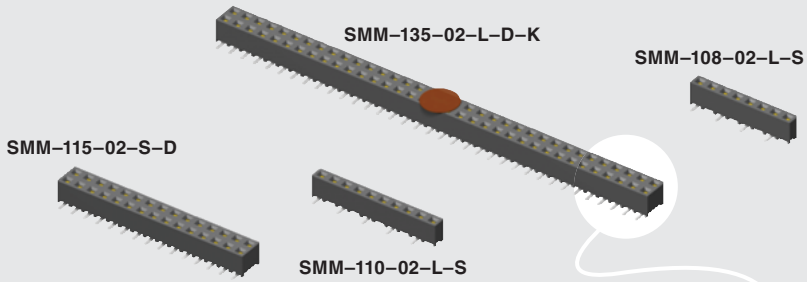
samtec




TIGER EYE™ SYSTEM

(2,00 mm) .0787"

SMM SERIES

# TIGER EYE™ SOCKET STRIP

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?SMM

**Insulator Material:**
Black Liquid Crystal Polymer
**Contact Material:**
BeCu
**Plating:** Sn or Au over 50µ" (1,27 µm) Ni
**Current Rating (TMM/SMM):**
3.2 A per pin
(1 pin powered per row)
**Voltage Rating:**
350 VAC
**Operating Temp Range:**
-55°C to +125°C
**Contact Resistance:**
10 mΩ
**Insertion Depth:**
(3,05 mm) .120" to
(3,25 mm) .128"
**Insertion Force:**
(Single contact only)
2.0 oz (0,56 N) average
**Withdrawal Force:**
(Single contact only)
1.5 oz (0,42 N) average
**Max Cycles:**
100 with 10µ" (0,25 µm) Au
**RoHS Compliant:**
Yes

### Processing:

**Lead–Free Solderable:**
Yes
**SMT Lead Coplanarity:**
(0,10 mm) .004" max

## RECOGNITIONS

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

FILE NO. E111594

## ALSO AVAILABLE
(MOQ Required)

- Locking clip
  (Manual placement required)
- Other platings

Contact Samtec.

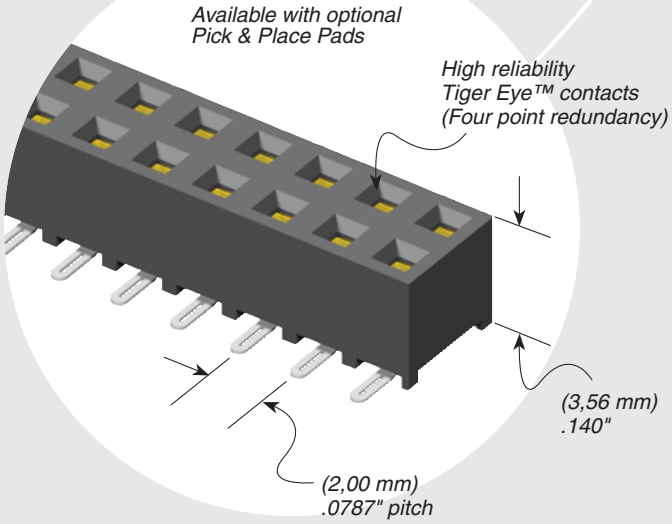
## POLARIZING KEY

Specify PK–01–07 for polarizing key (Available in wheels of six each). Also polarizes TCSD Series IDC Cable.

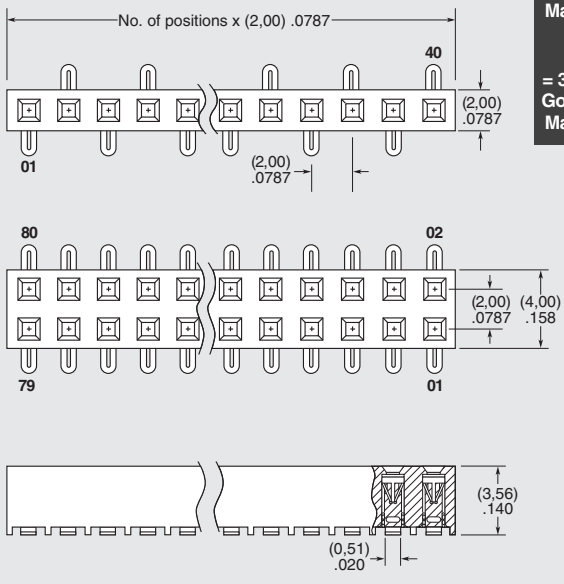
**Note:** Some lengths, styles and options are non-standard, non-returnable.

**Mates with:**
TMM, TMMH,
MTMM, MMT, LTMM,
TW, TCMD, PTT, ZLTMM

E.L.P.™
EXTENDED LIFE PRODUCT
10 year Mixed Flowing Gas with 30µ" Gold
Call Samtec for maximum mated cycles




| SMM | – | 1 | NO. PINS PER ROW | – | 02 | PLATING OPTION | – | ROW OPTION | – | OTHER OPTION |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 02 thru 40 | | | –F = Gold flash on contact, Matte Tin on tail<br>–L = 10µ" (0,25 µm) Gold on contact, Matte Tin on tail<br>–S = 30µ" (0,76 µm) Gold on contact, Matte Tin on tail | | –S = Single Row<br>–D = Double Row | | –"XX" = Polarized Position<br>–K = (5,50 mm) .217" DIA Polyimide Film Pick & Place Pad (2 positions minimum, –02 thru –05 requires –TR)<br>–P = Plastic Pick & Place Pad (–02 thru –05 requires –TR)<br>–TR = Tape & Reel Packaging (27 positions maximum) |






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