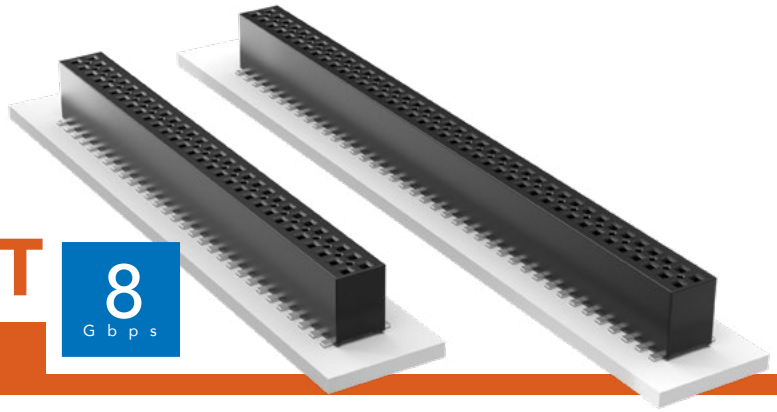
TIGER™ BEAM CONTACT

COST-EFFECTIVE RELIABLE SOCKET

(1.27 mm) .050" PITCH • FLE SERIES

8 Gbps



FLE
Board Mates:
FTSH, FTS, FW

Cable Mates:
FFMD*, FMTP

***Note:**
Standard FFMD callout will not mate with FLE, SFMC. Must use gold plated callouts. (See drawing on web.)

FLE	-	1	NO. PINS PER ROW	-	01	-	PLATING OPTION	-	DV	-	OPTION

02 thru 50

–G
= 10 µ" (0.25 µm) Gold

–A
= Alignment Pin (Metal or plastic at Samtec discretion) (3 positions minimum)

–K
= (4.25 mm) .167" DIA Polyimide film Pick & Place Pad (5 positions minimum)

–P
= Metal Pick & Place Pad (5 positions minimum)

–TR
= Tape & Reel

–FR
= Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks)

SPECIFICATIONS

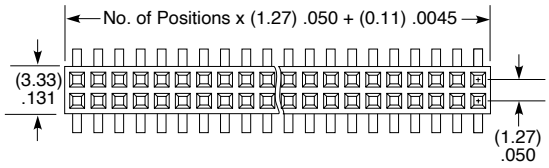
Insulator Material:
Black Liquid Crystal Polymer
Contact Material:
Phosphor Bronze
Plating:
Au over 50 µ" (1.27 µm) Ni
Current Rating:
2.9 A per pin
(2 pins powered)
Operating Temp Range:
-55 °C to +125 °C
Insertion Depth:
(1.83 mm) .072" to (4.37 mm) .172" or pass-through
Max Cycles:
100+

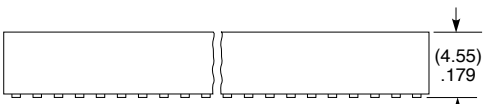
PROCESSING

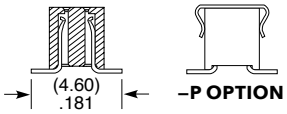
Lead-Free Solderable:
Yes
SMT Lead Coplanarity:
(0.10 mm) .004" max

ALSO AVAILABLE

Other Plating
(MOQ Required)







10 YEAR MFG WITH 30 µ" GOLD
EXTENDED LIFE PRODUCT
HIGH MATING CYCLES

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

Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.