



A KYOCERA GROUP COMPANY

Just The Facts - Secure Lock Connector Series 6288

Basic Overview

- ◇ The Secure Lock 6288 series is a range of FPC connectors that addressed the reliability concerns in automotive, industrial and medical applications.
- ◇ The molded connector accepts shaped FFC/FPC cable which allows:
 - ◇ Secure locking of the cable in the connector
 - ◇ Better visual alignment of the cable with the connector
- ◇ The SMT device has a ZIF cable connection and a one-touch flip lid gives tactile and audible feedback on closing.
- ◇ Gold plated contacts provide for high reliability soldering and helps prevent solder whiskers.

Product Range/Parameters

- ◇ The secure Lock is industry standard 0.5mm pitch with a profile height of 2.0mm and standard gold plating. Tin/Copper plating is available
- ◇ The standard temperature range is -40 to 105 C and can be extended on request. This wide range is ideal for the automotive market.
- ◇ Contacts/Pins/Positions/Ways:
 - 8, 10, 11, 12, 15, 16, 20, 22, 24, 26, 28, 30, 40, 41, 45, 50, 54, 55, 60, 64, 68, 70 & 80.
- ◇ Lead-Free and RoHS compliant
- ◇ Tape and Reel packaging: 2000 pieces per reel

Key Selling Features

- ◇ The secure locking facility for the cable provides higher reliability than standard FFC/FPC connectors
- ◇ Lowest profile of its type: 2.0mm
- ◇ Automotive market targeted due to wider temperature range



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For Datasheets and more info visit:
<http://www.avx.com/products/connectors/fpcffc/6288-series-fpcffc-connectors/>



Applications

◇ Handheld Devices

- ◇ Barcode scanners
 - ◇ Connectors are used to connect several PCBs together in large scanners. In handheld product, FFC or board-to-board connectors are used to connect the laser scanner to the main board.

◇ Automotive

- ◇ In-car navigation systems
- ◇ Personal Navigation Devices
- ◇ In-car audio/visual systems
- ◇ Car Cockpit
 - Series 6277/6298/6288 for heating element in rearview mirror
 - Series 6288 for tachometers/speedometers, satellite-navigation display, audio/visual entertainment and climate control systems
 - Series 6274, 6240, 6288 for steering wheel controls

◇ Industrial

- ◇ Test & measurement
 - Normally standard connectors at 0.5mm pitch are used to connect PCB to display and PCB to PCB
 - Series 6288 offers higher reliability than standard FFC connector
 - Can be used in bench-mounted or hand-held

◇ Medical

- ◇ Displays
- ◇ Robotic Arms

Competition ~ AVX Advantage

Competitor	AVX Advantage	Competitor Advantage	How to Address their Advantage
Hirose FH 28 Series	-More available pin positions (8) -Lower profile -Drop-In Replacement	-Already established in market	-Wider selection -Better distribution channel