



FOXCONN INTERCONNECT TECHNOLOGY LIMITED

## SPECIFICATIONS

### Mechanical

**Contact Retention Force:** 0.50Kg (1.10Lbs) min. per contact  
**Durability:** 500 Cycles  
**Insertion Force(Conn. Into PCB):** 0.5Kg (1.10Lbs)  
**Unmating Force(Per Contact pair):** 19g min.

### Electrical

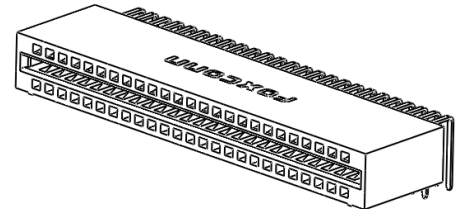
**Current Rating:** 5 Amps max.  
**Insulation Resistance:** 1M $\Omega$  min. at 100V DC  
**Dielectric Withstanding Voltage:** 500V DC at Sea Level  
**Low Level Contact Resistance:** 10m $\Omega$  max. initial, No change greater than 5 milliohms max after full environmental testing.

### Physical

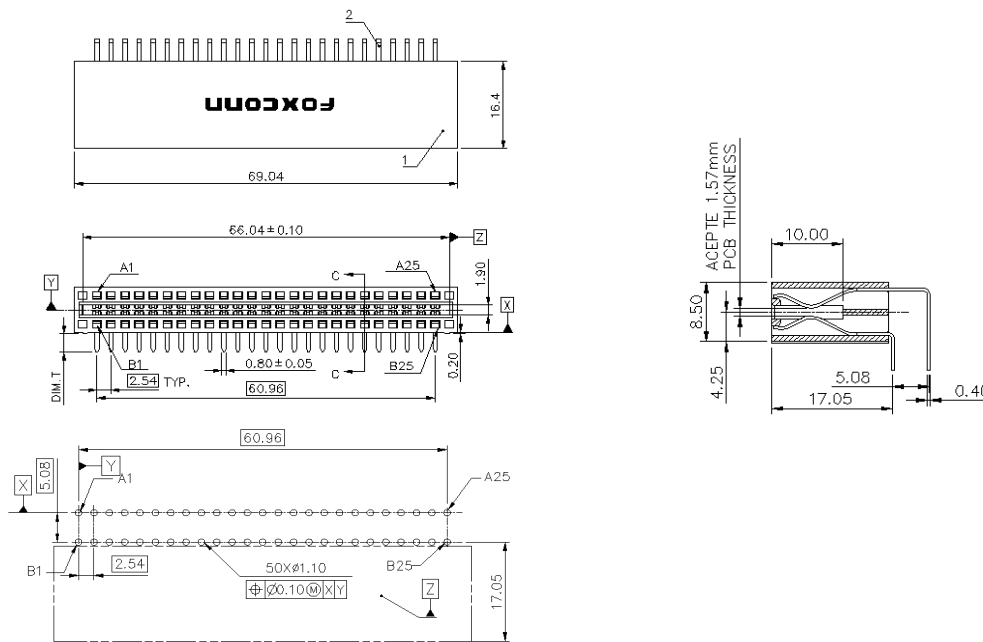
**Housing:** thermoplastic, UL 94V-0 rated in Black Color  
**Contact:** Copper alloy  
**Operating Temperature:** -55 $^{\circ}$ C to +105 $^{\circ}$ C

## ISA Connector

**2ES125 Series**  
**R/A T/H ISA**  
**2.54mm Pitch**  
**50Pos.**



## DRAWING



## ORDERING INFORMATION

PRODUCT NO.: 2ES 1 25 \* - D8\*NF - \*\*

SERIES PREFIX: 2.54 PITCH  
EDGE CARD CONN.  
TERMINATION TYPE: 1: R/A  
NO. OF POS. 25: 50 POS.

PLATING TYPE  
4F: LEAD FREE & TRAY  
EXTENSION CODE

CONTACT GOLD PLATING:  
1: GOLD FLASH  
3: 30u" GOLD PLATING  
7: 15u" GOLD PLATING

ITEM	DESCRIPTION	Q'TY	MATERIAL	TREATMENT
2	CONTACT	50	COPPER ALLOY	50u" NICKEL PLATING OVERALL UNDER PLATED 100u" MATTE TIN PLATING OVER NICKEL AT TAIL GOLD PLATING ON CONTACT AREA.
1	HOUSING	1	THERMOPLASTIC	MOLDED BLACK
2ES125*-D84NF-**		25/50	4.00	
2ES125*-D83NF-**		25/50	3.50	
P/N / OPTION		NO.OF POS.	DIM.T	