

G27 FlexPrint Connector - ZIF 1.25mm Pitch

Designed to save real estate, this Zero Insertion Force 0.5mm pitch FlexPrint Connector is ideal for 0.3mm flex print and is available from 3 to 30 circuits.

Materials

Housing – 94V-0 Nylon
 Contacts – P/B with 50µ" Ni
 Plating throughout – Tin/lead 100µ"
 Temperature – -20°C to 85°C

Electrical

Current – 1A
 Voltage – 50VRMS
 Withstand Voltage – 250VAC (1 min)
 Contact Resistance – 20mΩ max

Part Number System:

G27 XX X X X X

FlexPrint Connector
 1.25mm PITCH DIP ZIF

NUMBER OF POSITIONS

03: 3 Position
 04: 4 Position
 :
 30: 30 Position

CONTACT FINISH

1: 150µ" Tin/Lead over Ni
 2: Gold Flash over Ni



Suffix may be added to Part Number. This Suffix is for Internal use mainly. Additional Suffix "EU" or "LF" may be added for RoHS compliant product.

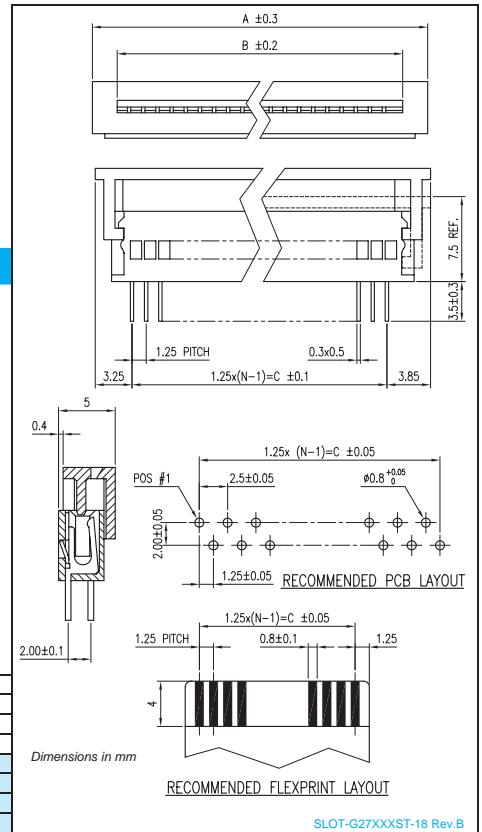
INSULATOR MATERIAL

1: Polyester
 2: Nylon

CONNECTOR STYLE

1: Straight Solder Tail
 2: Right angle Solder Tail

Pos	Dim	3	4	5	6	7	8	9	10	11	12	13	14	15	16
		A	9.60	10.80	12.10	13.35	14.60	15.85	17.10	18.35	19.60	20.85	22.10	23.35	24.60
B	5.20	6.45	7.70	8.95	10.20	11.45	12.70	13.95	15.20	16.45	17.70	18.95	20.20	21.45	
C	2.50	3.75	5.00	6.25	7.50	8.75	10.00	11.25	12.50	13.75	15.00	16.25	17.50	18.75	
Pos	Dim	17	18	19	20	21	22	23	24	25	26	27	28	29	30
		A	27.10	28.35	29.60	30.85	32.10	33.35	34.60	35.85	37.10	38.35	39.60	40.85	42.10
B	22.70	23.95	25.20	26.45	27.70	28.95	30.20	31.45	32.70	33.95	35.20	36.45	37.70	38.95	
C	20.00	21.25	22.50	23.75	25.00	26.25	27.50	28.75	30.00	31.25	32.50	33.75	35.00	36.25	

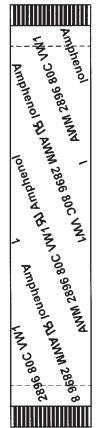


SLOT-G27XXXST-18 Rev.B

G19 Flexible Flat Cable

Consult representative for existing or new solutions. Cannot be less than 40mm

Conductor Thickness	0.1mm		0.05mm		0.035mm		0.025mm		
Materials	Insulation – PVC, Conductor – 1µm Tinned Flat Copper, Stiffener – Polyester								
Pitch Range	0.5–1.25mm								
Types Available	Type 1 – 2x Stiffeners same side, Type 2 – Stiffener + Retainer, Type 3 – 2x Stiffener opposite sides								
Voltage Rating	30V								
Conductor Resistance	<260–350Ω/Km		<520–850 Ω/Km		<850–3200 Ω/Km		<520–850 Ω/Km		
Insulation Resistance	>100MΩ between conductors (500VDC @ 20°C)								
Dielectric Strength	500VDC for 1 min between conductors								
Characteristic Impedance	Unbalanced	73–80Ω	TDR test method	73–100Ω	TDR test method	93–150Ω	TDR test method	73–100Ω	TDR test method
	Balanced	109–111Ω		95–110Ω		119Ω		95–110Ω	
Capacitance	Unbalanced	75–82pF/m	capacitance bridge 1kHz	35–82pF/m	capacitance bridge 1kHz	28–50pF/m	capacitance bridge 1kHz	35–82pF/m	capacitance bridge 1kHz
	Balanced	47–55pF/m		34–55pF/m		21pF/m		34–55pF/m	
Heat Resistance	85°C, 96 hours								
Temperature Cycling	-40°C⇒25°C⇒85°C⇒25°C for 5 cycles								
Humidity	96 hrs @ 40°C/95% RH, per Mil-Std-1344A, method 1002.1, test condition B								
Flammability	VW-1 per UL Subject 758								
Elongation of Insulation	>60% per JIS K6732								
Tensile Strength of Insulation	>3.5kg/mm ² per JIS K6732								
Flexing Test	>20 cycles for 180° folding test, >100,000 cycles R=15mm, 1,000 cycles								
Abrasion	>10,000 cycles, 0.5mm Φ 600g, 60 cycles/min								
Operating Temperature	-20°C–80°C								
Part Number Prefix	G19A: 1.25mm	G19B: 1mm	G19C: 0.8mm	G19D: 0.5mm	G19E: 1.27mm	G19F: 0.635mm			



ACT Advanced Circuit Technology

Amphenol ACT offers complete customized flex interconnection solutions, from initial circuit design through to circuit fabrication, high level assembly and functional testing. These products are manufactured to Mil-P-50884, IPC-FC-250 or customer specification. Assemblies meet IPC-A-610 and the ANSI "J" standard.

Services offered

- SMT on Flex
- Sculpted Circuit with SMT
- PCB mixed automated technology
- Interconnection Assemblies

Can terminate to most connectors including Mil-C-5015; Mil-C-26482 and Mil-C-38999 as well as the filtered versions.

ACT Provides single source for

- FFC
- PTH Assemblies
- SMT CCT fully assembled & tested
- Z-Con (impedance control)
- Sculptured Power CCT
- Modular-Flex
- Tri-metal CCT
- High Density interconnection solutions

