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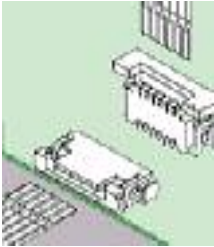
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Datasheet

Flat Flex Cable Connectors

Overview



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52745-1896

0.50mm (.020") Pitch FFC/FPC Connector, Right Angle, SMT, ZIF, Top Contact Style, 4-20 Circuits, 18 Circuits, Lead-free

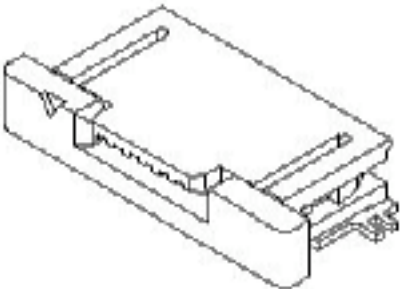
View all parts in series [52745](#)

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Status	Active
*Access Level	Internet
Pitch / Center Spacing	0.50mm (.020")
Circuits / Positions	18
Cable Thickness	0.30mm (.012")
Cable Termination	ZIF
Cable Entry Angle	Right Angle
Cable Insert Force	0+
Cable Withdrawl Force	0+
Cable Specification	Type B
Cable Type	FFC/FPC
Contact Position	Top
MOUNTING	
PCB Mounting	Surface Mount
Polarized to PCB	Yes
Staggered Tails	No
PCB Locator	No



ENVIRONMENT	
RoHS Status	ELV and RoHS Compliant
Lead-free Process Capability	Reflow Capable (SMT only)
Process Temperature max. (C)	250

Features and Benefits

- For 0.30mm (.012") thick FFC/FPC
- Metal solder tabs provide PCB hold-down and strain relief for SMT tails

ELECTRICAL	
Current-max [amps]	0.5A
Voltage-max [volts]	50V
Withstanding Voltage	250V AC/1 min.
Contact Resistance [ohms]	20 milliohms max.
Insulation Resistance [ohms]	50 Megohms min.
Contact Retention Force-min. (per circuit)	3.0N (0.67 lb)
PHYSICAL	
Housing Material	PA Polyamide (Nylon) 4/6
Flammability	UL 94V-0
Actuator	PPS, UL 94V-0
Temperature Range	-20°C to +85°C
Contact	Phosphor Bronze (CuSn)
Plating Contact	Tin (Sn)
Under Plating	Nickel (Ni)
Durability [mating cycles] min.	20 cycles
Solder Tab	Phosphor Bronze (CuSn), Tin (Sn) over Nickel (Ni) Plating
REFERENCE	
Product Specification	PS-52745-050
Rows	1
Stackable	No
Packaging	Embossed Tape on Reel
Carrier Tape Width	24.00mm (.945")
990 Catalog Page	F-8
Molex Series	52745
*Overview	FFC-FPC (SMT)[-8352]
*Publish Date	2005-01
*Last Changed Date	2005-01
*Product Management	J

[*Lab Office](#) | J

For all product dimensions, please refer to Drawing (PDF).

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