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Γ	Part Number:	43650-0809		
	Status:	Active		
	Overview:	Micro-Fit 3.0 [™] Connectors	ace Mount Compatible, Single Row, Right Angle, with PCB	
			, 8 Circuits, Tin (Sn) Plating, Glow Wire Compatible	
				and there were
	Documents:			4 Cater Sale
	3D Model		RoHS Certificate of Compliance (PDF)	
	Drawing (PDF)		Product Literature (PDF)	
	Product Specification	PS-43650 (PDF)		Series
				image - Reference only
	Agency Certification			
	CSA		LR19980	EU RoHS China RoHS
	TUV		R72081037	ELV and RoHS
	UL		E29179	Compliant
	Comorol			REACH SVHC
	General			Not Reviewed
	Product Family		PCB Headers	Low-Halogen Status
	Series Application		<u>43650</u> Power, Wire-to-Board	
	Comments		"High Temperature/Square Pin/Solder Type <p><p>This</p></p>	Need more information on product
	Commonto		Molex product is manufactured from material that has	environmental compliance?
			the following ratings, tested by independent agencies:.	Email productcompliance@molex.com
			a) A Glow Wire Ignition Temperature (GWIT) of at	For a multiple part number RoHS Certificate of
			least 775 deg C per IEC 60695-2-13 b) A Glow	Compliance, <u>click here</u>
			Wire Flammability Index (GWFI) above 850 deg C	
			per IEC 60695-2-12 and hence complies with the	Please visit the <u>Contact Us</u> section for any
			requirements set out in the International Standard IEC	non-product compliance questions.
			60335-1 5th edition - household and similar electrical appliances - safety, section 30 Resistance to heat	
			and fire. <p><p> The customers using this product</p></p>	
			must determine its suitability for use in their particular	Search Parts in this Series
			application through testing or other acceptable means	43650Series
			as described in end-product glow-wire flammability test	
			standard IEC 60695-2-11 and any applicable product	Mates With
			end-use standard(s). <p> If it is determined during</p>	<u>43645</u> Micro-Fit 3.0 [™] Receptacle Housing
			the customer's evaluation of suitability, that higher	
			performance is required, please contact Molex for	
	Overview		possible product options." Micro-Fit 3.0™ Connectors	
	Product Literature Or	der No	987650-5984	
	Product Name		Micro-Fit 3.0™	
	UPC		800754770347	
1	Diam'r d			
1	Physical			
	Breakaway		No	
1	Circuits (Loaded)		8	
	Circuits (maximum) Color - Resin		8 Black	
	Durability (mating cyc	les max)	30	
	Flammability		94V-0	
1	Glow-Wire Compliant		Yes	
	Mated Height		6.98mm	
	Material - Metal		Brass	
1	Motorial Disting Mat	•	Tip	

Tin Tin

Material - Metal Material - Plating Mating Material - Plating Termination

Material - ResinHigh Temperature ThermoplasticNet Weight1.359/gNumber of Rows1OrientationRight AnglePCB LocatorYesPCB RetentionYesPCB RetentionYesPCB Thickness - Recommended1.60mmPackaging TypeEmbossed Tape on ReelPitch - Mating Interface3.00mmPlating min - Mating2.540µmPlating min - Termination2.540µmPlating min - Termination2.540µmPlating min - Termination2.540µmPlating Angle - Operating-40°C to +105°CTermerature Range - Operating-40°C to +105°CTermination Interface:Suiface MountElectricalCurrent - Maximum per ContactCurrent - Maximum per ContactSAVoltage - Maximum600VSolder Process DataJone Capable (SMT only)Duration at Max. Process Temperature30Lead-free Process CapabilityReflow Capable (SMT only)Max. Cycles at Max. Process Temperature360Lead-free Drawing Numbers-260Material InfoPS-43650Sales DrawingSD-43650-004		
Number of Rows1OrientationRight AnglePCB LocatorYesPCB RetentionYesPCB Thickness - Recommended1.60mmPackaging TypeEmbossed Tape on ReelPitch - Mating Interface3.00mmPlating min - Mating2.540µmPolarized to PCBYesShroudedFullyStackableNoTemperature Range - Operating-40°C to +105°CTermination Interface:StyleSurfaceSurface MountElectricalCurrent - Maximum per ContactCurrent - Maximum per Contact5AVoltage - Maximum600VSolder Process Data30Lead-free Process CapabilityReflow Capable (SMT only)Max. Cycles at Max. Process Temperature3Process Temperature max. C260Material InfoReference - Drawing NumbersProduct SpecificationPS-43650	Material - Resin	High Temperature Thermoplastic
OrientationRight AnglePCB LocatorYesPCB RetentionYesPCB Thickness - Recommended1.60mmPackaging TypeEmbossed Tape on ReelPitch - Mating Interface3.00mmPlating min - Termination2.540µmPlating min - Termination2.540µmPolarized to PCBYesShroudedFullyStackableNoTemperature Range - Operating-40°C to +105°CTermination Interface:StyleSurface MountElectricalCurrent - Maximum per Contact5AVoltage - Maximum600VSolder Process Data30Duration at Max. Process Temperature (seconds)30Lead-free Process CapabilityReflow Capable (SMT only)Max. Cycles at Max. Process Temperature3Process Temperature max. C260Material InfoPs-43650	Net Weight	1.359/g
PCB Locator Yes PCB Retention Yes PCB Thickness - Recommended 1.60mm Packaging Type Embossed Tape on Reel Pitch - Mating Interface 3.00mm Plating min - Mating 2.540µm Plating min - Termination 2.540µm Polarized to PCB Yes Shrouded Fully Stackable No Temperature Range - Operating -40°C to +105°C Termenation Interface: Style Surface Mount Electrical Current - Maximum per Contact Current - Maximum per Contact 5A Voltage - Maximum 600V Solder Process Data Jouration at Max. Process Temperature (seconds) Lead-free Process Capability Reflow Capable (SMT only) Max. Cycles at Max. Process Temperature 3 Process Temperature max. C 260 Material Info Reference - Drawing Numbers Product Specification PS-43650	Number of Rows	1
PCB RetentionYesPCB Thickness - Recommended1.60mmPackaging TypeEmbossed Tape on ReelPitch - Mating Interface3.00mmPlating min - Mating2.540µmPlating min - Termination2.540µmPolarized to PCBYesShroudedFullyStackableNoTemperature Range - Operating-40°C to +105°CTermination Interface: StyleSurface MountElectricalCurrent - Maximum per ContactCurrent - Maximum per Contact5AVoltage - Maximum600VSolder Process DataJoDuration at Max. Process Temperature (seconds)30Lead-free Process CapabilityReflow Capable (SMT only)Max. Cycles at Max. Process Temperature3Process Temperature max. C260Material InfoProcess TemperatureReference - Drawing NumbersProduct SpecificationProduct SpecificationPS-43650	Orientation	Right Angle
PCB Thickness - Recommended1.60mmPackaging TypeEmbossed Tape on ReelPitch - Mating Interface3.00mmPlating min - Mating2.540µmPlating min - Termination2.540µmPolarized to PCBYesShroudedFullyStackableNoTermerature Range - Operating-40°C to +105°CTermination Interface: StyleSurface MountElectricalCurrent - Maximum per ContactCurrent - Maximum5AVoltage - Maximum600VSolder Process Data30Lead-free Process CapabilityReflow Capable (SMT only)Max. Cycles at Max. Process Temperature3Process Temperature max. C260Material Info260Reference - Drawing NumbersProduct SpecificationProduct SpecificationPS-43650	PCB Locator	Yes
Packaging TypeEmbossed Tape on ReelPictn - Mating Interface3.00mmPlating min - Termination2.540µmPolarized to PCBYesShroudedFullyStackableNoTemperature Range - Operating-40°C to +105°CTermination Interface: StyleSurface MountElectricalCurrent - Maximum per Contact5AVoltage - Maximum600VSolder Process DataDuration at Max. Process Temperature (seconds)30Lead-free Process CapabilityReflow Capable (SMT only)Max. Cycles at Max. Process Temperature3Process Temperature max. C260Material InfoReference - Drawing NumbersProduct SpecificationPS-43650	PCB Retention	Yes
Pitch - Mating Interface3.00mmPlating min - Mating2.540µmPlating min - Termination2.540µmPolarized to PCBYesShroudedFullyStackableNoTemperature Range - Operating-40°C to +105°CTermination Interface: StyleSurface MountElectricalCurrent - Maximum per Contact5AVoltage - Maximum600VSolder Process DataDuration at Max. Process Temperature (seconds)30Lead-free Process CapabilityReflow Capable (SMT only)Max. Cycles at Max. Process Temperature3Process Temperature max. C260Material InfoReference - Drawing NumbersProduct SpecificationPS-43650	PCB Thickness - Recommended	1.60mm
Plating min - Mating2.540µmPlating min - Termination2.540µmPolarized to PCBYesShroudedFullyStackableNoTemperature Range - Operating-40°C to +105°CTermination Interface: StyleSurface MountElectricalCurrent - Maximum per Contact5AVoltage - Maximum600VSolder Process Data30Lead-free Process CapabilityReflow Capable (SMT only)Max. Cycles at Max. Process Temperature3Process Temperature max. C260Material InfoProcess DataProduct SpecificationPS-43650	Packaging Type	Embossed Tape on Reel
Plating min - Termination2.540µmPolarized to PCBYesShroudedFullyStackableNoTemperature Range - Operating-40°C to +105°CTermination Interface: StyleSurface MountElectricalCurrent - Maximum per Contact5AVoltage - Maximum600VSolder Process DataDuration at Max. Process Temperature (seconds)30Lead-free Process CapabilityReflow Capable (SMT only)Max. Cycles at Max. Process Temperature3Process Temperature max. C260Material InfoPS-43650	Pitch - Mating Interface	3.00mm
Polarized to PCB Yes Shrouded Fully Stackable No Temperature Range - Operating -40°C to +105°C Termination Interface: Style Surface Mount Electrical Current - Maximum per Contact Current - Maximum per Contact 5A Voltage - Maximum 600V Solder Process Data Duration at Max. Process Temperature (seconds) Duration at Max. Process Temperature 30 Lead-free Process Capability Reflow Capable (SMT only) Max. Cycles at Max. Process Temperature 3 Process Temperature max. C 260 Material Info Reference - Drawing Numbers Product Specification PS-43650	Plating min - Mating	2.540µm
ShroudedFullyStackableNoTemperature Range - Operating-40°C to +105°CTermination Interface: StyleSurface MountElectricalCurrent - Maximum per Contact5ACurrent - Maximum600VSolder Process Data30Duration at Max. Process Temperature (seconds)30Lead-free Process CapabilityReflow Capable (SMT only)Max. Cycles at Max. Process Temperature3Process Temperature max. C260Material InfoReference - Drawing NumbersProduct SpecificationPS-43650		2.540µm
StackableNoTemperature Range - Operating-40°C to +105°CTermination Interface: StyleSurface MountElectricalCurrent - Maximum per Contact5AVoltage - Maximum600VSolder Process DataDuration at Max. Process Temperature (seconds)30Lead-free Process CapabilityReflow Capable (SMT only)Max. Cycles at Max. Process Temperature3Process Temperature max. C260Material InfoReference - Drawing NumbersProduct SpecificationPS-43650	Polarized to PCB	Yes
Temperature Range - Operating Termination Interface: Style-40°C to +105°C Surface MountElectricalSurface MountCurrent - Maximum per Contact5A 600VSolder Process Data30 Lead-free Process CapabilityDuration at Max. Process Temperature (seconds)30 Reflow Capable (SMT only)Max. Cycles at Max. Process Temperature3 Process Temperature max. CProcess Temperature max. C260Material InfoProduct SpecificationProduct SpecificationPS-43650	Shrouded	Fully
Termination Interface: StyleSurface MountElectricalCurrent - Maximum per Contact5AVoltage - Maximum600VSolder Process DataDuration at Max. Process Temperature (seconds)30Lead-free Process CapabilityReflow Capable (SMT only)Max. Cycles at Max. Process Temperature3Process Temperature max. C260Material InfoReference - Drawing NumbersProduct SpecificationPS-43650		No
Electrical Current - Maximum per Contact 5A Voltage - Maximum 600V Solder Process Data 30 Duration at Max. Process Temperature (seconds) 30 Lead-free Process Capability Reflow Capable (SMT only) Max. Cycles at Max. Process Temperature 3 Process Temperature max. C 260 Material Info Feference - Drawing Numbers Product Specification PS-43650		
Current - Maximum per Contact5AVoltage - Maximum600VSolder Process Data30Duration at Max. Process Temperature (seconds)30Lead-free Process CapabilityReflow Capable (SMT only)Max. Cycles at Max. Process Temperature3Process Temperature max. C260Material InfoFeference - Drawing NumbersProduct SpecificationPS-43650	Termination Interface: Style	Surface Mount
Voltage - Maximum600VSolder Process Data30Duration at Max. Process Temperature (seconds)30Lead-free Process CapabilityReflow Capable (SMT only)Max. Cycles at Max. Process Temperature3Process Temperature max. C260Material InfoReference - Drawing NumbersProduct SpecificationPS-43650	Electrical	
Solder Process Data Duration at Max. Process Temperature (seconds) 30 Lead-free Process Capability Reflow Capable (SMT only) Max. Cycles at Max. Process Temperature 3 Process Temperature max. C 260 Material Info Reference - Drawing Numbers Product Specification PS-43650	Current - Maximum per Contact	5A
Duration at Max. Process Temperature (seconds) 30 Lead-free Process Capability Reflow Capable (SMT only) Max. Cycles at Max. Process Temperature 3 Process Temperature max. C 260 Material Info 260 Reference - Drawing Numbers Product Specification Product Specification PS-43650	Voltage - Maximum	600V
Lead-free Process Capability Reflow Capable (SMT only) Max. Cycles at Max. Process Temperature 3 Process Temperature max. C 260 Material Info 260 Reference - Drawing Numbers Product Specification Product Specification PS-43650	Solder Process Data	
Lead-free Process Capability Reflow Capable (SMT only) Max. Cycles at Max. Process Temperature 3 Process Temperature max. C 260 Material Info 260 Reference - Drawing Numbers Product Specification Product Specification PS-43650	Duration at Max. Process Temperature (seconds	30
Max. Cycles at Max. Process Temperature 3 Process Temperature max. C 260 Material Info 260 Reference - Drawing Numbers Product Specification Product Specification PS-43650		
Process Temperature max. C 260 Material Info Reference - Drawing Numbers Product Specification PS-43650		
Reference - Drawing Numbers Product Specification PS-43650		260
Product Specification PS-43650	Material Info	
Product Specification PS-43650	Reference - Drawing Numbers	
		PS-43650
	Galos Drawing	

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