

Glow-Wire Compliant

Guide to Mating Part

Keying to Mating Part

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Part Number:	<u>43160-3102</u>		
Status:	Active		
Overview:	Sabre™ Power Connec		
Description:		Header, Right Angle, 2 Circuits, Glow Wire Compatible. ickness 1.60mm, with Board Lock	CON
Documents: <u>3D Model</u> <u>Drawing (PDF)</u> Product Specification	on PSX-44441-9999 (PDF)	RoHS Certificate of Compliance (PDF) Product Literature (PDF)	Series image - Reference only
Agency Certific	cation		
CSA		LR19980	EU RoHS China RoHS
TUV		R72130381	ELV and RoHS
UL		E29179	Compliant REACH SVHC
General			Contains SVHC: No
Product Family		PCB Headers	Low-Halogen Status
Series		<u>43160</u>	Not Low-Halogen
Application		Power, Wire-to-Board	Need more information on product
Comments		"Fully Polarized, high power wire to board and	environmental compliance?
		wire to wire connector system <p><p>This Molex</p></p>	
		product is manufactured from material that has the	Email productcompliance@molex.com
		following ratings, tested by independent agencies:. 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	Please visit the Contact Us section for any
		per IEC 60695-2-12.and hence complies with the	non-product compliance questions.
		requirements set out in the International Standard IEC	
		60335-1 5th edition - household and similar electrical	
		appliances - safety, section 30 Resistance to heat	Connete Donto in this Conice
		and fire. <p><p> The customers using this product must determine its suitability for use in their particular</p></p>	Search Parts in this Series 43160Series
		application through testing or other acceptable means	
		as described in end-product glow-wire flammability test	Mates With
		standard IEC 60695-2-11 and any applicable product	44441-2002 Sabre™ Receptacle Housing
		end-use standard(s). <p> If it is determined during</p>	
		the customer's evaluation of suitability, that higher	
		performance is required, please contact Molex for	
Overview		possible product options." Sabro™ Bower Connector	
Overview Product Literature	Order No	<u>Sabre™ Power Connector</u> 987650-5662	
Product Literature (		Sabre™	
UPC		800754378185	
Physical			
Breakaway		No	
Circuits (Loaded)		2	
Circuits (maximum)	)	2	
Color - Resin	vuolee meur	Black	
Durability (mating o First Mate / Last Br		25 No	
Flammability	ται	NO 94V-0	
	1		

Yes

No

Yes

Lock to Mating PartYesMaterial - MetalBrassMaterial - Plating MatingTinMaterial - Plating TerminationTinMaterial - ResinHigh Temperature ThermoplasticNet Weight3.331/gNumber of Rows1OrientationRight AnglePC Tail Length3.81mmPCB LocatorYesPCB RetentionYesPCB RetentionYesPCB Thickness - Recommended1.60mmPackaging TypeTrayPitch - Mating Interface7.50mmPlating min - Mating0.889µmPlating min - Termination0.889µmPlating min - Termination0.889µmPlating min - Termination0.889µmPolarized to PCBYesShroudedFullyStackableNoSurface Mount Compatible (SMC)NoTermenation Interface: StyleThrough HoleElectricalCurrent - Maximum per Contact18AOuration at Max. Process Temperature (seconds)5Lead-free Process CapabilityWave Capable (TH only)Max. Cycles at Max. Process Temperature1Process Temperature max. C235Material InfoPSX-44441-9999Sales DrawingSDA-43160-****			
Material - Plating MatingTinMaterial - Plating TerminationTinMaterial - ResinHigh Termerature ThermoplasticNet Weight3.331/gNumber of Rows1OrientationRight AnglePC Tail Length3.81 mmPCB LocatorYesPCB Thickness - Recommended1.60mmPackaging TypeTrayPitch - Mating Interface7.50mmPitch - Mating Interface7.50mmPlating min - Mating0.889µmPolarized to Mating PartYesPolarized to Mating PartYesShroudedFullyStackableNoSurface Mount Compatible (SMC)NoTermination Interface:5.00VStackableNoSurface Mount Compatible (SMC)NoTermination Interface:140°C to +75°CTermination Interface:5.00VSolder Process Data5Duration at Max. Process Temperature (seconds)5Lead-free Process CapabilityWave Capable (TH only)Max. Cycles at Max. Process Temperature1Process Temperature max. C235Material InfoPSX-44441-9999	Lock to Mating I	Part	Yes
Material - Plating TerminationTinMaterial - ResinHigh Temperature ThermoplasticNet Weight3.331/gNumber of Rows1OrientationRight AnglePC Tail Length3.81mmPCB LocatorYesPCB RetentionYesPCB Thickness - Recommended1.60mmPackaging TypeTrayPitch - Mating Interface7.50mmPlating min - Mating0.889µmPolarized to Mating PartYesPolarized to PCBYesShroudedFullyStackableNoSurface Mount Compatible (SMC)NoSurface Mount Compatible (SMC)NoSolder Process Data5Duration at Max. Process Temperature (seconds)5Lead-free Process CapabilityWave Capable (TH only)Max. Cycles at Max. Process Temperature1Process Temperature max. C235Material InfoPSX-44441-9999	Material - Metal		Brass
Material - ResinHigh Temperature ThermoplasticNet Weight3.331/gNumber of Rows1OrientationRight AnglePC Tail Length3.81mmPCB LocatorYesPCB RetentionYesPCB Thickness - Recommended1.60mmPackaging TypeTrayPitch - Mating Interface7.50mmPlating min - Mating0.889µmPlating min - Termination0.889µmPlating min - Termination0.889µmPlatized to PCBYesShroudedFullyStackableNoSurface Mount Compatible (SMC)NoTemperature Range - Operating-40°C to +75°CTermination Interface: StyleThrough HoleElectricalCurrent - Maximum per ContactVoltage - Maximum600VSolder Process Data5Duration at Max. Process Temperature (seconds)5Lead-free Process CapabilityWave Capable (TH only)Max. Cycles at Max. Process Temperature1Process Temperature max. C235Material InfoPSX-44441-9999	Material - Platin	g Mating	Tin
Net Weight3.331/gNumber of Rows1OrientationRight AnglePC Tail Length3.81mmPCB LocatorYesPCB RetentionYesPCB Thickness - Recommended1.60mmPackaging TypeTrayPitch - Mating Interface7.50mmPitch - Mating Interface7.50mmPitch - Termination Interface7.50mmPlating min - Termination0.889µmPolarized to Mating PartYesPolarized to Mating PartYesShroudedFullyStackableNoSurface Mount Compatible (SMC)NoTermination Interface:StyleTermination Interface:18AVoltage - Maximum per Contact18AVoltage - Maximum600VSolder Process Data5Duration at Max. Process Temperature (seconds)5Lead-free Process CapabilityWave Capable (TH only)Max. Cycles at Max. Process Temperature1Process Temperature max. C235Material InfoPSX-44441-9999	Material - Platin	g Termination	Tin
Number of Rows1OrientationRight AnglePC Tail Length3.81mmPCB LocatorYesPCB RetentionYesPCB RetentionYesPCB Thickness - Recommended1.60mmPackaging TypeTrayPitch - Mating Interface7.50mmPitch - Termination Interface7.50mmPlating min - Mating0.889µmPlating min - Termination0.889µmPolarized to Mating PartYesPolarized to PCBYesShroudedFullyStackableNoSurface Mount Compatible (SMC)NoTermenation Interface: StyleThrough HoleElectricalCurrent - Maximum per ContactCurrent - Maximum per Contact18AVoltage - Maximum600VSolder Process Data5Duration at Max. Process Temperature (seconds)5Lead-free Process CapabilityWave Capable (TH only)Max. Cycles at Max. Process Temperature1Process Temperature max. C235Material InfoReference - Drawing NumbersProduct SpecificationPSX-44441-9999	Material - Resin		High Temperature Thermoplastic
OrientationRight AnglePC Tail Length3.81mmPCB LocatorYesPCB RetentionYesPCB Thickness - Recommended1.60mmPackaging TypeTrayPitch - Mating Interface7.50mmPitch - Termination Interface7.50mmPlating min - Termination0.889µmPlating min - Termination0.889µmPolarized to Mating PartYesPolarized to DCBYesShroudedFullyStackableNoSurface Mount Compatible (SMC)NoTermination Interface:StyleTermination Interface:StyleSurface Mount Compatible (SMC)NoTemperature Range - Operating-40°C to +75°CTermination Interface:StyleDuration at Max. Process Temperature (seconds)5Lead-free Process DataDuration at Max. Process TemperatureDuration at Max. Process Temperature1Process Temperature max. C235Material Info235Reference - Drawing NumbersProduct SpecificationProduct SpecificationPSX-44441-9999	Net Weight		3.331/g
PC Tail Length3.81mmPCB LocatorYesPCB RetentionYesPCB Thickness - Recommended1.60mmPackaging TypeTrayPitch - Mating Interface7.50mmPitch - Termination Interface7.50mmPlating min - Mating0.889µmPlating min - Termination0.889µmPolarized to PCBYesShroudedFullyStackableNoSurface Mount Compatible (SMC)NoTermination Interface: StyleThrough HoleElectricalCurrent - Maximum per ContactCurrent - Maximum per Contact18AVoltage - Maximum600VSolder Process Data5Lead-free Process CapabilityWave Capable (TH only)Max. Cycles at Max. Process Temperature1Process Temperature max. C235Material Info235Reference - Drawing NumbersProduct SpecificationProduct SpecificationPSX-44441-9999	Number of Row	S	1
PCB LocatorYesPCB RetentionYesPCB Thickness - Recommended1.60mmPackaging TypeTrayPitch - Mating Interface7.50mmPitch - Termination Interface7.50mmPlating min - Mating0.889µmPlating min - Termination0.889µmPolarized to Mating PartYesPolarized to PCBYesShroudedFullyStackableNoSurface Mount Compatible (SMC)NoTemperature Range - Operating-40°C to +75°CTermination Interface: StyleThrough HoleElectricalCurrent - Maximum per ContactCurrent - Maximum per Contact18AVoltage - Maximum600VSolder Process DataSolder Process CapabilityDuration at Max. Process Temperature (seconds)5Lead-free Process CapabilityWave Capable (TH only)Max. Cycles at Max. Process Temperature1Process Temperature max. C235Material InfoPSX-44441-9999	Orientation		Right Angle
PCB RetentionYesPCB Thickness - Recommended1.60mmPackaging TypeTrayPitch - Mating Interface7.50mmPitch - Termination Interface7.50mmPlating min - Mating0.889µmPlating min - Termination0.889µmPolarized to Mating PartYesPolarized to PCBYesShroudedFullyStackableNoSurface Mount Compatible (SMC)NoTemperature Range - Operating-40°C to +75°CTermination Interface: StyleThrough HoleElectricalCurrent - Maximum per ContactVoltage - Maximum600VSolder Process DataSDuration at Max. Process Temperature (seconds)5Lead-free Process CapabilityWave Capable (TH only)Max. Cycles at Max. Process Temperature1Process Temperature max. C235Material Info235Product SpecificationPSX-44441-9999	PC Tail Length		3.81mm
PCB Thickness - Recommended1.60mmPackaging TypeTrayPitch - Mating Interface7.50mmPitch - Termination Interface7.50mmPlating min - Mating0.889µmPlating min - Termination0.889µmPolarized to Mating PartYesPolarized to PCBYesShroudedFullyStackableNoSurface Mount Compatible (SMC)NoTermination Interface: StyleThrough HoleElectricalCurrent - Maximum per Contact18AVoltage - Maximum600VSolder Process DataDuration at Max. Process Temperature (seconds)5Lead-free Process CapabilityWave Capable (TH only)Max. Cycles at Max. Process Temperature1Process Temperature max. C235Material InfoReference - Drawing NumbersProduct SpecificationPSX-44441-9999	PCB Locator		Yes
Packaging TypeTrayPitch - Mating Interface7.50mmPitch - Termination Interface7.50mmPlating min - Mating0.889µmPolarized to Mating PartYesPolarized to PCBYesShroudedFullyStackableNoSurface Mount Compatible (SMC)NoTermination Interface: StyleThrough HoleElectricalCurrent - Maximum per ContactCurrent - Maximum18AVoltage - Maximum600VSolder Process DataDuration at Max. Process Temperature (seconds)Lead-free Process CapabilityWave Capable (TH only)Max. Cycles at Max. Process Temperature1Process Temperature max. C235Material InfoPSX-44441-9999	PCB Retention		Yes
Pitch - Mating Interface7.50mmPitch - Termination Interface7.50mmPlating min - Mating0.889µmPlating min - Termination0.889µmPolarized to Mating PartYesPolarized to PCBYesShroudedFullyStackableNoSurface Mount Compatible (SMC)NoTemperature Range - Operating-40°C to +75°CTermination Interface: StyleThrough HoleElectricalCurrent - Maximum per Contact18AVoltage - Maximum600VSolder Process DataDuration at Max. Process Temperature (seconds)5Lead-free Process CapabilityWave Capable (TH only)Max. Cycles at Max. Process Temperature1Process Temperature max. C235Material InfoReference - Drawing NumbersProduct SpecificationPSX-44441-9999	PCB Thickness	- Recommended	1.60mm
Pitch - Termination Interface7.50mmPlating min - Mating0.889µmPlating min - Termination0.889µmPolarized to Mating PartYesPolarized to PCBYesShroudedFullyStackableNoSurface Mount Compatible (SMC)NoTemperature Range - Operating-40°C to +75°CTermination Interface: StyleThrough HoleElectricalCurrent - Maximum per ContactCurrent - Maximum per Contact18AVoltage - Maximum600VSolder Process Data5Lead-free Process CapabilityWave Capable (TH only)Max. Cycles at Max. Process Temperature1Process Temperature max. C235Material Info235Reference - Drawing NumbersProduct SpecificationProduct SpecificationPSX-44441-9999	Packaging Type	9	Tray
Plating min - Mating0.889µmPlating min - Termination0.889µmPolarized to Mating PartYesPolarized to PCBYesShroudedFullyStackableNoSurface Mount Compatible (SMC)NoTemperature Range - Operating-40°C to +75°CTermination Interface: StyleThrough HoleElectricalCurrent - Maximum per Contact18AVoltage - Maximum600VSolder Process DataDuration at Max. Process Temperature (seconds)5Lead-free Process CapabilityWave Capable (TH only)Max. Cycles at Max. Process Temperature1Process Temperature max. C235Material InfoReference - Drawing NumbersProduct SpecificationPSX-44441-9999	Pitch - Mating Ir	nterface	7.50mm
Plating min - Termination0.889µmPolarized to Mating PartYesPolarized to PCBYesShroudedFullyStackableNoSurface Mount Compatible (SMC)NoTemperature Range - Operating-40°C to +75°CTermination Interface: StyleThrough HoleElectricalCurrent - Maximum per Contact18AVoltage - Maximum600VSolder Process DataDuration at Max. Process Temperature (seconds)5Lead-free Process CapabilityWave Capable (TH only)Max. Cycles at Max. Process Temperature1Process Temperature max. C235Material InfoPsX-44441-9999	Pitch - Terminat	ion Interface	7.50mm
Polarized to Mating PartYesPolarized to PCBYesShroudedFullyStackableNoSurface Mount Compatible (SMC)NoTemperature Range - Operating-40°C to +75°CTermination Interface: StyleThrough HoleElectricalCurrent - Maximum per Contact18AVoltage - Maximum600VSolder Process DataDuration at Max. Process Temperature (seconds)5Lead-free Process CapabilityWave Capable (TH only)Max. Cycles at Max. Process Temperature1Process Temperature max. C235Material InfoReference - Drawing NumbersProduct SpecificationPSX-44441-9999	Plating min - Ma	ating	0.889µm
Polarized to PCBYesShroudedFullyStackableNoSurface Mount Compatible (SMC)NoTemperature Range - Operating-40°C to +75°CTermination Interface: StyleThrough HoleElectricalCurrent - Maximum per Contact18AVoltage - Maximum600VSolder Process DataDuration at Max. Process Temperature (seconds)5Lead-free Process CapabilityWave Capable (TH only)Max. Cycles at Max. Process Temperature1Process Temperature max. C235Material InfoPSX-44441-9999	Plating min - Te	rmination	0.889µm
Polarized to PCBYesShroudedFullyStackableNoSurface Mount Compatible (SMC)NoTemperature Range - Operating-40°C to +75°CTermination Interface: StyleThrough HoleElectricalCurrent - Maximum per Contact18AVoltage - Maximum600VSolder Process DataDuration at Max. Process Temperature (seconds)5Lead-free Process CapabilityWave Capable (TH only)Max. Cycles at Max. Process Temperature1Process Temperature max. C235Material InfoPSX-44441-9999	Polarized to Ma	ting Part	Yes
StackableNoSurface Mount Compatible (SMC)NoTemperature Range - Operating-40°C to +75°CTermination Interface: StyleThrough HoleElectricalCurrent - Maximum per Contact18AVoltage - Maximum600VSolder Process DataDuration at Max. Process Temperature (seconds)5Lead-free Process CapabilityWave Capable (TH only)Max. Cycles at Max. Process Temperature1Process Temperature max. C235Material InfoReference - Drawing NumbersProduct SpecificationPSX-44441-9999			Yes
Surface Mount Compatible (SMC)NoTemperature Range - Operating-40°C to +75°CTermination Interface: StyleThrough HoleElectricalCurrent - Maximum per Contact18AVoltage - Maximum600VSolder Process DataDuration at Max. Process Temperature (seconds)5Lead-free Process CapabilityWave Capable (TH only)Max. Cycles at Max. Process Temperature1Process Temperature max. C235Material InfoReference - Drawing NumbersProduct SpecificationPSX-44441-9999	Shrouded		Fully
Temperature Range - Operating Termination Interface: Style-40°C to +75°C Through HoleElectrical Current - Maximum per Contact18A 600VSolder Process Data Duration at Max. Process Temperature (seconds)5 Lead-free Process Capability Nax. Cycles at Max. Process TemperatureMaterial Info235Reference - Drawing Numbers Product SpecificationPSX-44441-9999	Stackable		No
Termination Interface: StyleThrough HoleElectricalThrough HoleCurrent - Maximum per Contact18AVoltage - Maximum600VSolder Process Data5Duration at Max. Process Temperature (seconds)5Lead-free Process CapabilityWave Capable (TH only)Max. Cycles at Max. Process Temperature1Process Temperature max. C235Material InfoProduct SpecificationProduct SpecificationPSX-44441-9999	Surface Mount	Compatible (SMC)	No
ElectricalCurrent - Maximum per Contact18AVoltage - Maximum600VSolder Process DataDuration at Max. Process Temperature (seconds)5Lead-free Process CapabilityWave Capable (TH only)Max. Cycles at Max. Process Temperature1Process Temperature max. C235Material InfoReference - Drawing NumbersProduct SpecificationPSX-44441-9999	Temperature Ra	ange - Operating	-40°C to +75°C
Current - Maximum per Contact18AVoltage - Maximum600VSolder Process Data5Duration at Max. Process Temperature (seconds)5Lead-free Process CapabilityWave Capable (TH only)Max. Cycles at Max. Process Temperature1Process Temperature max. C235Material InfoFeference - Drawing NumbersProduct SpecificationPSX-44441-9999	Termination Inte	erface: Style	Through Hole
Current - Maximum per Contact18AVoltage - Maximum600VSolder Process Data5Duration at Max. Process Temperature (seconds)5Lead-free Process CapabilityWave Capable (TH only)Max. Cycles at Max. Process Temperature1Process Temperature max. C235Material InfoFeference - Drawing NumbersProduct SpecificationPSX-44441-9999		-	, , , , , , , , , , , , , , , , , , ,
Voltage - Maximum600VSolder Process Data600VDuration at Max. Process Temperature (seconds)5Lead-free Process CapabilityWave Capable (TH only)Max. Cycles at Max. Process Temperature1Process Temperature max. C235Material InfoReference - Drawing NumbersProduct SpecificationPSX-44441-9999	Electrical		
Solder Process DataDuration at Max. Process Temperature (seconds)5Lead-free Process CapabilityWave Capable (TH only)Max. Cycles at Max. Process Temperature1Process Temperature max. C235Material InfoReference - Drawing NumbersProduct SpecificationPSX-44441-9999	Current - Maxim	num per Contact	18A
Duration at Max. Process Temperature (seconds)5Lead-free Process CapabilityWave Capable (TH only)Max. Cycles at Max. Process Temperature1Process Temperature max. C235Material InfoReference - Drawing NumbersProduct SpecificationPSX-44441-9999	Voltage - Maxim	านท	600V
Duration at Max. Process Temperature (seconds)5Lead-free Process CapabilityWave Capable (TH only)Max. Cycles at Max. Process Temperature1Process Temperature max. C235Material InfoReference - Drawing NumbersProduct SpecificationPSX-44441-9999		- /	
Lead-free Process CapabilityWave Capable (TH only)Max. Cycles at Max. Process Temperature1Process Temperature max. C235Material InfoReference - Drawing NumbersProduct SpecificationPSX-44441-9999			
Max. Cycles at Max. Process Temperature       1         Process Temperature max. C       235         Material Info       235         Reference - Drawing Numbers       Product Specification         Product Specification       PSX-44441-9999		,	-
Process Temperature max. C       235         Material Info       235         Reference - Drawing Numbers       Product Specification         Product Specification       PSX-44441-9999			
Material Info         Reference - Drawing Numbers         Product Specification         PSX-44441-9999			-
Reference - Drawing Numbers         Product Specification       PSX-44441-9999	Process Tempe	rature max. C	235
Reference - Drawing Numbers         Product Specification       PSX-44441-9999	Motorial Info		
Product Specification PSX-44441-9999	Material Info		
Product Specification PSX-44441-9999	Reference -	Drawing Numbers	
			PSX-44441-9999

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