

BOARD-TO-BOARD HEADERS & RECEPTACLES







PRODUCT DRAWING



3D PDF

TE CONNECTIVITY (TE)

MICTOR RECEPT ASSY, 38 POS. TA

MICTOR | Micor Timer III , MICTOR

5767171-1

TE Internal Number: 5767171-1

Always EU RoHS/ELV Compliant

Connector Style Receptacle Centerline (mm) .64, 24.003

Centerline (in) .945

Stack Height (mm) 2.5, 6.6, 9, 10.92, 17.96, 18.75, 20, 22.86

Stack Height (in) .9

Number of Positions 38

Packaging Method Tape

Product Drawings

RECEPTACLE ASSEMBLY, VERTICAL, .025[0.64] CL, GULL WING LEADS, POCKET

TAPE PACKAGED, MICTOR

PDF English

CAD Files

3D PDF

PDF

Customer View Model

2D_DXF.ZIP English

Customer View Model

3D_IGS.ZIP English

Customer View Model

3D_STP.ZIP English

Catalog Pages/Data Sheets

MICTOR Interconnection System

PDF **English**

Fine Pitch Stacking Connectors - 0.635mm MICTOR Connectors

PDF **English**

Product Specifications

Qualification Test Report

Product Specification Surface Mount Matched Impedance Connector

Application Specification MICTOR Vertical Connectors For Surface Mount Technology (SMT) Printed Circuit

(PC) Board Applications

English

Surface Mount Matched Impedance Connector

PDF **English**

MD_5767171-1_022520162345_dmtec

PDF English

Please review product documents or contact us for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

Decided Top a Factory	Commonton Study	Parameterale
Product Type Features	Connector Style	Receptacle
	Board-to-Board Configuration	Mezzanine
	PCB Mounting Orientation	Vertical
	Boss	With
	Connector System	Board-to-Board
	Connector Type	Connector Assembly
	Applies To	Printed Circuit Board
	Product Type	Connector
	Series	MICTOR
Configuration Features	Number of Positions	38
comiguration reactives	Number of Columns	19
	Number of Signal Positions	38
	Number of Power Positions	1
	Stackable	No
	Number of Rows	2
	Solder Tail Orientation	In-Line
Electrical Characteristics	Voltage (VAC)	30
	Dielectric Withstanding Voltage (VAC)	500
	Insulation Resistance (M Ω)	10000
Signal Characteristics	Data Rate (Gb/s)	10
	Differential Signaling	Yes
Body Features	Color	Black
Contact Features	Contact Mating Area Plating Material	Palladium Nickel
	Contact Mating Area Plating Thickness	.76 μm [29.9212 μin]
	Contact Current Rating (A)	11.5

Mechanical Attachment Mating Alignment Type Polarization PCB Mount Retention Without PCB Mount Alignment With Mating Retention Without Housing Features Centerline (mm) A4, 24.003 Centerline (m) Black Housing Material Housing Material LCP (Liquid Crystal Polymer) Housing Entry Style Top Dimensions Stack Height (mm) Stack Height (mm) Stack Height (in) PWidth A9 mm [.272 in] Length		Contact Configuration	Dual Beam
Underplate Material Contact Transmits (Typical) Signal (Data/Power Socket Solder Tail Contact Plating Material Finish Matte Contact Type Solder Tail Contact Plating Material Finish Matte Contact Base Material Copper Alloy Turmination Featurus Turmination Featurus Turmination Featurus Turmination Method to PC Board Mating Alignment Mating Alignment Type Polarization PCB Mount Retention Without PCB Mount Alignment With Mating Retention PCB Mount Alignment With Mating Retention Without Housing Features Centerline (nn) A4, 24,003 Centerline (nn) A945 Housing Color Black Housing Material LCP (Liquid Crystal Polymer) Housing Entry Style Top Dimensions Stack Height (nn) Stack Height (nn) Yoddh A970, 10,92, 17,96, 18,75, 20, 22,86 Stack Height (nn) Yoddh A970 Manin [272 in] Length Height Somm [236 in] Height Somm [236 in] User Cover Without For Use With Plug Industry Stundards UL File Number E28476		Solder Tail Contact Plating Material	Tin
Contact Transmits (Typical) Contact Type Socket Solder Tail Contact Pating Material Finish Contact Base Material Copper Alloy Termination Features Termination Method to PC Board Surface Mount Machanical Attachment Masing Alignment Masing Alignment Type Polarization PCB Mount Retention PCB Mount Alignment Without Housing Features Centerline (nm) A44, 24.003 Centerline (nm) A44, 24.003 Centerline (nm) A54, 24.003 Centerline (nm) A54, 24.003 Centerline (nm) A54, 25, 6.6, 9, 10, 92, 17, 96, 18, 75, 20, 22.86 Dimensions Stack Height (nm) Stack Height (nm) A52, 46, 47, 10, 12, 17, 96, 18, 75, 20, 22.86 Stack Height (nm) A53, 47, 47, 47, 47, 47, 47, 47, 47, 47, 47		Solder Tail Contact Plating Thickness	3.81 – 6.35 μm [149.9997 – 249.9995 μin]
Contact Type Solder Tall Contact Plating Material Finish Matte Contact Bixes Material Copper Alloy Termination Features Termination Method to PC Board Mechanical Attachment Mating Alignment Mating Alignment Type Polarization PCB Mount Retention Without PCB Mount Alignment With Mating Retention Without Housing Features Centerline (m) A44, 24.003 Centerline (m) A54, 24.003 Centerline (m) A64, 24.003 Centerline (m) A64, 24.003 Centerline (m) A64, 24.003 Centerline (m) A64, 24.003 Contact Inc. Housing Entry Style Top Dimensions Stack Height (mm) Stack Height (mm) Stack Height (mm) A64, 27.00, 9, 10.92, 17.96, 18.75, 20, 22.86 Stack Height (m) PVidth A9 mm [.272 in] Length Asting Post Length Height S99 mm [.236 in] Uksage Conditions Operation/Application Pick and Piace Cover For Use With Plug Industry Standards UL File Number E28476		Underplate Material	Nickel
Selder Tall Contact Plating Material Finish Contact Base Material Copper Alloy Termination Features Termination Method to PC Board Surface Mount Making Alignment Making Alignment Type Polarization PCB Mount Alignment With Making Retention PCB Mount Alignment With Making Retention Without Housing Features Centerline (m) A4, 24.003 Centerline (in) A95 Housing Color Housing Material LCP (Liquid Crystal Polymer) Housing Entry Style Top Dimensions Stack Height (inv) Stack Height (inv) A9 Width A9 mm [.272 in] Length Length Length Height S99 mm [.236 in] Without Ukage Conditions Operating Temperature Range -55 – 125 °C [-47 – 257 °F] Industry Standards UL File Number E28476		Contact Transmits (Typical)	Signal (Data)/Power
Contact Base Material Copper Alley Termination Features Termination Method to PC Board Surface Mount Mechanical Attachment Mating Alignment Moting Alignment Type Polarization PCB Mount Retention Without PCB Mount Alignment With Mating Retention Without Housing Features Centerline (m) Add, 24,003 Centerline (m) Add, 24,003 Centerline (m) Add, 24,003 Centerline (m) Add, 24,003 Controlline (m) Add Description Add Description Dirrensions Stack Height (mm) Stack Height (mm) Add Description Add Description Length Add Description Add Description Department Without Length Add Description Add Description Department Type Add Description		Contact Type	Socket
Termination Features Termination Method to PC Board Surface Mount Mating Alignment Mating Alignment Type Polarization PCB Mount Retention PCB Mount Alignment With Mating Retention Without Housing Features Centerline (mi) Centerline (in) Housing Color Black Housing Material Housing Entry Style Top Dimensions Stack Height (in) Stack Height (in) Stack Height (in) Stack Height (in) PCB Mount Alignment Without Dimensions Stack Height (in) Stack Height (i		Solder Tail Contact Plating Material Finish	Matte
Machanical Attachment Mating Alignment With Mating Alignment Type Polarization PCB Mount Retention Without PCB Mount Alignment With Mating Retention Without Housing Features Centerline (mm) .64, 24.003 Centerline (in) .945 Housing Color Black Housing Entry Style Top Dimensions Stack Height (imm) 2.5, 6.6, 9, 10.92, 17.96, 18.75, 20, 22.86 Stack Height (im) .9 Width 6.9 mm [.272 in] Length 25.4 mm [1 in] Mating Post Length 1.6285 mm [.064 in] Height 5.99 mm [.236 in] Usage Conditions Operating Temperature Range -55 – 125 °C [-47 – 257 °F] Operation/Application Pick and Place Cover Without For Use With Plug		Contact Base Material	Copper Alloy
Mating Alignment Type Polarization PCB Mount Retention Without PCB Mount Alignment With Mating Retention Without Housing Features Centerline (im) .945 Housing Color Black Housing Material LCP (Liquid Crystal Polymer) Housing Entry Style Top Dimensions Stack Height (im) .9 Width 6.9 mm [.272 in] Length 25.4 mm [1 in] Mating Post Length 1.6285 mm [.064 in] Height 5.99 mm [.236 in] Usage Conditions Operation/Application Pick and Place Cover Without For Use With Plug Industry Standards UL File Number E28476	Termination Features	Termination Method to PC Board	Surface Mount
PCB Mount Retention Without PCB Mount Alignment With Mating Retention Without Housing Features Centerline (im) .64, 24,003 Centerline (in) .945 Housing Color Black Housing Material LCP (Liquid Crystal Polymer) Housing Entry Style Top Dimensions Stack Height (mm) 2.5, 6.6, 9, 10.92, 17.96, 18.75, 20, 22.86 Stack Height (in) .9 Width 6.9 mm [.272 in] Length 25.4 mm [1 in] Mating Post Length 1.6285 mm [.064 in] Height 5.99 mm [.236 in] Usage Conditions Operating Temperature Range -55 – 125 °C [-67 – 257 °F] Operation/Application Pick and Place Cover Without For Use With Plug	Mechanical Attachment	Mating Alignment	With
PCB Mount Alignment With Mating Retention Without		Mating Alignment Type	Polarization
Housing Features Centerline (mm) Centerline (in) Housing Color Housing Material Housing Entry Style Dimensions Stack Height (mn) Stack Height (in) Fight Style Dimensions Stack Height (in) Stack Height (in) Stack Height Style Dimensions Stack Height (in) Stack Height Style Dimensions Stack Height (in) Stack Height Style Stack Height Style Stack Height (in) Style Stack Height (in) Style Stack Height (in) Style Stack Height (in) Style		PCB Mount Retention	Without
Housing Features Centerline (mm) .64, 24.003 Centerline (in) .945 Housing Color Black Housing Material LCP (Liquid Crystal Polymer) Housing Entry Style Top Dimensions Stack Height (mm) .2.5, 6.6, 9, 10.92, 17.96, 18.75, 20, 22.86 Stack Height (in) .9 Width 6.9 mm [.272 in] Length 25.4 mm [1 in] Mating Post Length 1.6285 mm [.064 in] Height 5.99 mm [.236 in] Usage Conditions Operating Temperature Range -55 - 125 °C [-67 - 257 °F] Operation/Application Pick and Place Cover Without For Use With Plug		PCB Mount Alignment	With
Centerline (in)		Mating Retention	Without
Housing Color Housing Material LCP (Liquid Crystal Polymer) Housing Entry Style Top Dimensions Stack Height (mm) 2.5, 6.6, 9, 10.92, 17.96, 18.75, 20, 22.86 Stack Height (in) .9 Width 6.9 mm [.272 in] Length Mating Post Length 1.6285 mm [.064 in] Height 5.99 mm [.236 in] Usage Conditions Operation/Application Pick and Place Cover For Use With Plug Industry Standards UL File Number E28476	Housing Features	Centerline (mm)	.64, 24.003
Housing Material Housing Entry Style Top Dimensions Stack Height (mm) Stack Height (in) Width Length Length 25.4 mm [1 in] Mating Post Length Height Sop mm [.236 in] Usage Conditions Operation/Application Pick and Place Cover For Use With Plug Industry Standards LCP (Liquid Crystal Polymer) Top LCP (Liquid Crystal Polymer) Top Top Top Top Top Top Top To		Centerline (in)	.945
Housing Entry Style Top		Housing Color	Black
Dimensions Stack Height (mm) 2.5, 6.6, 9, 10.92, 17.96, 18.75, 20, 22.86 Stack Height (in) .9 Width 6.9 mm [.272 in] Length 25.4 mm [1 in] Mating Post Length 1.6285 mm [.064 in] Height 5.99 mm [.236 in] Usage Conditions Operating Temperature Range -55 - 125 °C [-67 - 257 °F] Operation/Application Pick and Place Cover Without For Use With Plug Industry Standards UL File Number E28476		Housing Material	LCP (Liquid Crystal Polymer)
Stack Height (in) Width 6.9 mm [.272 in] Length 25.4 mm [1 in] Mating Post Length 1.6285 mm [.064 in] Height 5.99 mm [.236 in] Usage Conditions Operating Temperature Range -55 - 125 °C [-67 - 257 °F] Operation/Application Pick and Place Cover Without For Use With Plug		Housing Entry Style	Тор
Width 6.9 mm [.272 in] Length 25.4 mm [1 in] Mating Post Length 1.6285 mm [.064 in] Height 5.99 mm [.236 in] Usage Conditions Operating Temperature Range -55 - 125 °C [-67 - 257 °F] Operation/Application Pick and Place Cover Without For Use With Plug Industry Standards UL File Number E28476	Dimensions	Stack Height (mm)	2.5, 6.6, 9, 10.92, 17.96, 18.75, 20, 22.86
Length 25.4 mm [1 in] Mating Post Length 1.6285 mm [.064 in] Height 5.99 mm [.236 in] Usage Conditions Operating Temperature Range -55 − 125 °C [-67 − 257 °F] Operation/Application Pick and Place Cover Without For Use With Plug Industry Standards UL File Number E28476		Stack Height (in)	.9
Mating Post Length Height 1.6285 mm [.064 in] 5.99 mm [.236 in] Usage Conditions Operating Temperature Range -55 - 125 °C [-67 - 257 °F] Operation/Application Pick and Place Cover For Use With Plug Industry Standards UL File Number E28476		Width	6.9 mm [.272 in]
Height 5.99 mm [.236 in] Usage Conditions Operating Temperature Range -55 – 125 °C [-67 – 257 °F] Operation/Application Pick and Place Cover For Use With Plug Industry Standards UL File Number E28476		Length	25.4 mm [1 in]
Usage Conditions Operating Temperature Range -55 – 125 °C [-67 – 257 °F] Operation/Application Pick and Place Cover For Use With Plug Industry Standards UL File Number E28476		Mating Post Length	1.6285 mm [.064 in]
Operation/Application Pick and Place Cover Without For Use With Plug Industry Standards UL File Number E28476		Height	5.99 mm [.236 in]
For Use With Plug Industry Standards UL File Number E28476	Usage Conditions	Operating Temperature Range	-55 – 125 °C [-67 – 257 °F]
Industry Standards UL File Number E28476	Operation/Application	Pick and Place Cover	Without
		For Use With	Plug
CSA Certified Yes	Industry Standards	UL File Number	E28476
		CSA Certified	Yes

UL Rating
UL Flammability Rating
UL 94V-0
CSA File Number
1195944

Packaging Features
Packaging Quantity
Tape
Packaging Quantity
252

Product Compliance
PDF

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Relation Type

RELATIONSHIP

Mating Products Used to identify Mating Parts

See All Mating Products



PRODUCT - MATING PRODUCTS

TE INTERNAL NUMBER: 5767118-8

✓ Active

Connectors - Board-to-Board Headers & Receptacles
MICTOR I MICTOR, PKG
MICT, PLG, 038, ASY,
.025, TAPE PKG
- 5767118-8

Always EU RoHS/ELV Compliant

Connector Style Plug

Centerline .64 mm, 24.003 mm

Stack Height 6.6 mm, 15.62 mm

Number of Positions 38

Packaging Method Reel

RELATIONSHIP

Mating Products Used to identify Mating Parts

See All Mating Products



PRODUCT - MATING PRODUCTS

Connectors - Board-to-Board Headers & Receptacles MICTOR | MICTOR, RC MICT, 900PLUG, 38,

ASSY, .025, REC - 5767017-1

TE INTERNAL NUMBER: 5767017-1

✓ Active

Always EU RoHS/ELV Compliant

Connector Style Plug

Centerline .64 mm

Stack Height **22.86 mm, 22.96**

mm, 31.9 mm

Number of Positions 38

Packaging Method **Tube**,

Tube/Box



RELATIONSHIP

Mating Products

Used to identify Mating Parts

See All Mating Products



PRODUCT - MATING PRODUCTS

Connectors - Board-to-Board Headers & Receptacles
MICTOR | MICTOR, RE

MICTOR PLUG ASSY IN TAPE & REE - 5767149-8 TE INTERNAL NUMBER: 5767149-8

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Centerline **.64 mm, 24.003 mm**

Stack Height 12.57 mm, 21.6 mm

Number of Positions 38

Packaging Method Reel

