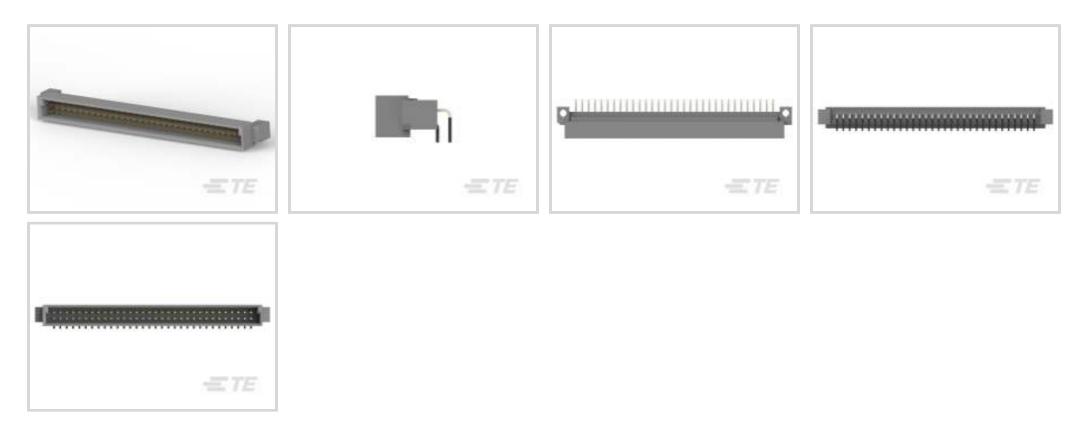


### EUROCARD | Eurocard Type B

TE Internal #: 5536052-5 Eurocard Connectors, Plug, Board-to-Board, 64 Position, .1 in [2.54 mm] Centerline, Printed Circuit Board, 2 Row, Right Angle, Eurocard Type B

### View on TE.com >

### Connectors > PCB Connectors > Backplane Connectors > Eurocard Connectors



Connector & Housing Type: Plug Connector System: Board-to-Board Termination Post & Tail Length: 2.64 mm [.104 in] Number of Positions: 64 Centerline (Pitch): 2.54 mm [.1 in]

## Features

Connectivity

### **Product Type Features**

Connector & Housing Type	Plug
Connector System	Board-to-Board
Connector & Contact Terminates To	Printed Circuit Board
DIN Size	Standard
DIN Level	II
Configuration Features	
Number of Positions	64
Number of Rows	2
PCB Mount Orientation	Right Angle
Number of Columns	32
Number of Signal Positions	64
Rows Loaded	А, В
Contact Features	
PCB Contact Termination Area Plating Material Thickness	2.54 μm[100 μin]

Eurocard Connectors, Plug, Board-to-Board, 64 Position, .1 in [2.54 mm] Centerline, Printed Circuit Board, 2 Row, Right Angle, Eurocard Type B



Contact Type     Pin       Contact Underplating Material Thickness     1.27 µm/S0 µm/S1       Contact Mating Area Plating Material Thickness     7.64 µm/22.02 µm/S1       Contact Mating Area Plating Material     Gold       Contact Underplating Material     Gold       Contact Underplating Material     Gold       Contact Underplating Material     Trin       Contact Termination Area Plating Material     Capper Aloy       Termination Features     Trincugh Hole - Solder       Termination Nethod to Printed Circuit Roard     Through Hole - Solder       Termination Post & Tal Length     2.44 mm/104 in)       Mating Alignment Type     Polarization       Mating Alignment Type     Polarization       Mating Alignment Type     Material       PCB Mount Resention     Without       PCB Mount Resention Type     Mount Resention       PCB Mount Resention Type     Beard Mount       Connector Mounting Type     Beard Mount       Housing Material     12.47 mm/1 inj       Dimensions     Connector Height       Connector Height     12.47 mm/1 201       Connector Height     12.47 mm/1 20	Contact Layout	Inline
Contact Mating Area Plating Material     .76 µm[29.92 µin]       Contact Mating Area Plating Material     Gold       Contact Underplating Material     Nickel       PCB Contact Termination Area Plating Material     Tin       Contact Base Material     Copper Alley       Termination Features     Tircough Hole - Solder       Termination Post & Tall Longth     2.44 mm[.104 in]       Mating Alignment     Without       Mating Alignment     Without       Mating Alignment     Without       PCB Mount Alignment     With       PCB Mount Retention Type     Mounting Hole       Housing Features        Housing Material     Polymer - GF       Connector Mounting Type     Solder       Housing Material     2.54 mm[.37 in]       Connector Length     2.398 mm[.37 in]       Connector Width     8.56 mm[.337 in]	Contact Type	Pin
Contact Mating Area Plating Material         Gold           Contact Underplating Material         Tin           PCB Contact Termination Area Plating Material         Tin           Contact Base Material         Copper Allay           Termination Features         Trough Hole - Solder           Termination Method to Printed Circuit Board         Through Hole - Solder           Termination Peatures         2.64 mm(104 in)           Mechanical Attachment         Without           Mating Alignment Type         Polarization           Mating Alignment         With           PCB Mount Alignment         Without           PCB Mount Retention         With           PCB Mount Retention         Yethout           PCB Mount Retention         Yethout           PCB Mount Retention         Polymer GF           Connector Mounting Type         Board Mount           Housing Material         Polymer GF           Connector Height         2.54 mm(1.1 in)           Dimensions         Econnector Length           Connector Width         8.56 mm(3.27 in)           Connector Wid	Contact Underplating Material Thickness	1.27 μm[50 μin]
Contact Underplating Material         Nickel           PCB Contact Termination Area Plating Material         Tin           Contact Base Material         Coppor Allay           Termination Features         Through Hole - Solder           Termination Post & Tail Length         2.64 mm[.104 in]           Mechanical Attachment         Without           Mating Alignment Type         Polarization           Mating Alignment Type         Polarization           PCB Mount Alignment         Without           PCB Mount Retention         With           PCB Mount Retention         With           PCB Mount Retention         With           PCB Mount Retention         Wount           PCB Mount Retention         Scard Mount           PCB Mount Retention Type         Board Mount           PCB Mount Retention Type         Board Mount           PCB Mount Retention Type         Board Mount           Polarization         Scarm[.1 in]           Polarization         Scarm[.1 in]           Polarization         Scarm[.1 in]           Polarization         Scarm[.3 in]           POINT Connector Length         2.98 mm[.3.7 in]           PCB Inicknes (Recommended)         1.57 mm[.062 in]           Row-to-Row Spacing	Contact Mating Area Plating Material Thickness	.76 μm[29.92 μin]
PCB Contact Termination Area Plating Material       Tin         Contact Base Material       Copper Alloy         Termination Features       Through Hole - Solder         Termination Nethod to Printed Circuit Board       Through Hole - Solder         Termination Post & Tail Length       2.64 mm[.104 in]         Mating Alignment Type       Polarization         Mating Alignment Type       Polarization         Mating Alignment       Without         PCB Mount Alignment       With         PCB Mount Retention       With         PCB Mount Retention       With         PCB Mount Retention Type       Board Mount         PCB Mount Retention Type       Board Mount         Housing Features       E         Housing Material       Polymer GF         Connector Mounting Type       93.98 mm[3.7 in]         Connector Length       93.98 mm[3.7 in]         Connector Width       8.56 mm[.337 in]         PCB Thickness (Recommended)       1.57 mm[.062 in]         Row to Row Spacing       2.54 mm[.1 in]         Usage Conditions       E         Operating Temperature Range       .55 - 105 °C[.67 - 221 °F]         Operating Temperature Range       .55 - 105 °C[.67 - 221 °F]	Contact Mating Area Plating Material	Gold
Contact Base Material       Copper Alloy         Termination Features       Image: Copper Alloy         Termination Method to Printed Circuit Roard       Through Hole - Solder         Termination Post & Tail Length       2.64 mm[.104 in]         Mechanical Attachment       Without         Mating Alignment Type       Polarization         Mating Alignment       Without         PCB Mount Alignment       Without         PCB Mount Retention       With         PCB Mount Retention       Work         PCB Mount Retention       Work         PCB Mount Retention Type       Mount fing Hole         Connector Mounting Type       Board Mount         Housing Material       Polymer - GF         Centerline (Pitch)       2.54 mm[.1 in]         Dimensions       Connector I length         Connector I length       2.62 mm[.497 in]         Connector I length       1.57 mm[.062 in]         Row-to-Row Spacing       2.54 mm[.1 in]         Usage Conditions       2.54 mm[.1 in]         Operating Temperature Range       -55 - 105 °C[.67 - 221 °F]         Operating Temperature Range       -55 - 105 °C[.67 - 221 °F]	Contact Underplating Material	Nickel
Termination Features         Termination Method to Printed Circuit Board       Through Hole: Solder         Termination Post & Tail Length       2.64 mm]:104 in]         Mechanical Attachment       Mating Alignment Type         Mating Retention       Without         Mating Alignment       Without         PCB Mount Alignment       Without         PCB Mount Retention       With         PCB Mount Retention Type       Mounting Hole         Connector Mounting Type       Board Mount         Housing Material       Polymer: GF         Connector Length       93.98 mm[3.7 in]         Connector Height       12.62 mm[.497 in]         Connector Width       8.56 mm[.337 in]         PCB Thickness (Recommended)       1.57 mm[.062 ln]         Row-to-Row Spacing       2.54 mm[.1 in]         Usage Conditions       2.54 mm[.1 in]         Usage Conditions       2.54 mm[.1 in]         Connector Width       8.56 mm[.337 in]         PCB Thickness (Recommended)       1.57 mm[.062 ln]         Row-to-Row Spacing       2.54 mm[.1 in]         Usage Conditions       2.51 mm[.1 in]         Usage Conditions       2.51 mm[.1 in]         Usage Conditions       2.51 mm[.1 in]	PCB Contact Termination Area Plating Material	Tin
Termination Method to Printed Circuit Board       Through Hole Solder         Termination Post & Tail Length       2.64 mm(.104 in)         Mechanical Attachment       Mating Alignment Type         Mating Alignment Type       Polarization         Mating Alignment Type       Polarization         Mating Alignment Type       Polarization         Mating Alignment       Without         PCB Mount Alignment       Without         PCB Mount Retention       With         PCB Mount Retention Type       Mounting Hole         Connector Mounting Type       Board Mount         Housing Features       Polymer - GF         Centerline (Pitch)       2.54 mm(.1 in)         Dimensions       Connector Length       9.998 mm(3.7 in)         Connector Width       8.56 mm].337 in]       PCB Thickness (Recommended)         PCB Thickness (Recommended)       1.57 mm[.062 in]       Reve-to-Row Spacing         Vegee Conditions       2.54 mm(.1 in]       Usage Conditions         Operating Temperature Range       -55 – 105 °C[-67 – 221 °T]       Operation/Application	Contact Base Material	Copper Alloy
Termination Post & Tail Length       2.64 mm[.104 in]         Mechanical Attachment         Mating Alignment Type       Polarization         Mating Retention       Without         Mating Alignment       Without         Mating Alignment       Without         PCB Mount Alignment       Without         PCB Mount Retention       With         PCB Mount Retention Type       Mounting Hole         Connector Mounting Type       Board Mount         Housing Features       Polymer - GF         Centerline (Pitch)       2.54 mm[.3.7 in]         Connector Length       93.98 mm[3.7 in]         Connector Width       8.56 mm[.337 in]         PCB Thickness (Recommended)       1.57 mm[.062 in]         Row to Row Spacing       2.54 mm[.1 in]         Usage Conditions       2.54 mm[.1 in]         Operating Temperature Range       55 105 °C[ 67 - 221 °F]         Operating Temperature Range       55 105 °C[ 67 - 221 °F]	Termination Features	
Mating Alignment Type       Polarization         Mating Retention       Without         Mating Alignment       Without         Mating Alignment       Without         PCB Mount Alignment       Without         PCB Mount Retention       Without         PCB Mount Retention       Without         PCB Mount Retention Type       Mounting Hole         Connector Mounting Type       Board Mount         Housing Features       Polymer - GF         Centerline (Pitch)       2.54 mm[.1 in]         Dimensions       Polymer 1 and 2.54 mm[.1 in]         Connector Height       1.62 mm[.337 in]         Connector Width       8.56 mm[.337 in]         PCB Thickness (Recommended)       1.57 mm[.062 in]         Row to Row Spacing       2.54 mm[.1 in]         Upgereting Temperature Range       -55 – 105 °C[-67 – 221 °F]         Operating Temperature Range       -55 – 105 °C[-67 – 221 °F]	Termination Method to Printed Circuit Board	Through Hole - Solder
Mating Alignment TypePolarizationMating RetentionWithoutMating AlignmentWithoutPCB Mount AlignmentWithoutPCB Mount RetentionWithPCB Mount Retention TypeMounting HoleConnector Mounting TypeBoard MountHousing FeaturesVithoutPConnector Length2.54 mm[.1 in]Connector Height12.62 mm[.497 in]Connector Width8.56 mm[.337 in]PCB Thickness (Recommended)1.57 mm[.062 in]Row-to-Row Spacing2.54 mm[.1 in]Usage ConditionsJong TensionsCoperating Temperature Range-55 – 105 °C[-67 – 221 °T]Operation/Application-55 – 105 °C[-67 – 221 °T]	Termination Post & Tail Length	2.64 mm[.104 in]
Mating Retention       Without         Mating Alignment       Without         PCB Mount Alignment       Without         PCB Mount Retention       With         PCB Mount Retention Type       Mounting Hole         Connector Mounting Type       Board Mount         Housing Features       Polymer - GF         Centerline (Pitch)       2.54 mm[.1 in]         Dimensions       93.98 mm[.3.7 in]         Connector Height       12.62 mm[.497 in]         Connector Width       8.56 mm[.337 in]         PCB Thickness (Recommended)       1.57 mm[.062 in]         Row-to-Row Spacing       2.54 mm[.1 in]         Usage Conditions       2.54 mm[.1 in]         Operating Tomperature Range       -55 - 105 °C[.67 - 221 °F]	Mechanical Attachment	
Mating AlignmentWithPCB Mount AlignmentWithoutPCB Mount RetentionWithPCB Mount Retention TypeMounting HoleConnector Mounting TypeBoard MountHousing FeaturesPolymer - GFCenterline (Pitch)2.54 mm[.1 in]DimensionsVConnector Height12.62 mm[.497 in]Connector Width8.56 mm[.337 in]PCB Thickness (Recommended)1.57 mm[.062 in]Row-to-Row Spacing2.54 mm[.1 in]Usage Conditions55 – 105 °C[.67 – 221 °F]Operating Temperature Range55 – 105 °C[.67 – 221 °F]	Mating Alignment Type	Polarization
PCB Mount Alignment       Without         PCB Mount Retention       With         PCB Mount Retention Type       Mounting Hole         Connector Mounting Type       Board Mount         Housing Features       Polymer - GF         Centerline (Pitch)       2.54 mm[.1 in]         Dimensions       Volume - GF         Connector Height       12.62 mm[.497 in]         Connector Width       8.56 mm[.337 in]         PCB Thickness (Recommended)       1.57 mm[.062 in]         Row-to-Row Spacing       2.54 mm[.1 in]         Usage Conditions       2.54 mm[.1 in]	Mating Retention	Without
PCB Mount RetentionWithPCB Mount Retention TypeMounting HoleConnector Mounting TypeBoard MountHousing FeaturesFolymer - GFHousing MaterialPolymer - GFCenterline (Pitch)2.54 mm[.1 in]DimensionsConnector LengthConnector Height12.62 mm[.497 in]Connector Width8.56 mm[.337 in]PCB Thickness (Recommended)1.57 mm[.062 in]Row-to-Row Spacing2.54 mm[.1 in]Usage ConditionsSo content ingOperating Temperature Range-55 - 105 °C[-67 - 221 °F]Operation/ApplicationSo content ing	Mating Alignment	With
PCB Mount Retention Type       Mounting Hole         Connector Mounting Type       Board Mount         Housing Features       Features         Housing Material       Polymer - GF         Centerline (Pitch)       2.54 mm[.1 in]         Dimensions       Volume - GF         Connector Length       93.98 mm[3.7 in]         Connector Height       12.62 mm[.497 in]         Connector Width       8.56 mm[.337 in]         PCB Thickness (Recommended)       1.57 mm[.062 in]         Row-to-Row Spacing       2.54 mm[.1 in]         Usage Conditions       2.54 mm[.1 in]         Operating Temperature Range       -55 – 105 °C[-67 – 221 °F]         Operation/Application       -55 – 105 °C[-67 – 221 °F]	PCB Mount Alignment	Without
Connector Mounting Type       Board Mount         Housing Features       Polymer - GF         I housing Material       Polymer - GF         Centerline (Pitch)       2.54 mm[.1 in]         Dimensions       Dimensions         Connector Length       93.98 mm[3.7 in]         Connector Width       8.56 mm[.337 in]         PCB Thickness (Recommended)       1.57 mm[.062 in]         Row-to-Row Spacing       2.54 mm[.1 in]         Usage Conditions       2.54 mm[.1 in]         Operating Temperature Range       -55 – 105 °C[-67 – 221 °F]	PCB Mount Retention	With
Housing Features         Housing Material       Polymer - GF         Centerline (Pitch)       2.54 mm[.1 in]         Dimensions       Dimensions         Connector Length       93.98 mm[3.7 in]         Connector Height       12.62 mm[.497 in]         Connector Width       8.56 mm[.337 in]         PCB Thickness (Recommended)       1.57 mm[.062 in]         Row-to-Row Spacing       2.54 mm[.1 in]         Usage Conditions       2.54 mm[.1 in]         Operating Temperature Range       -55 – 105 °C[-67 – 221 °F]         Operation/Application       -55 – 105 °C[-67 – 221 °F]	PCB Mount Retention Type	Mounting Hole
Housing MaterialPolymer - GFCenterline (Pitch)2.54 mm[.1 in]DimensionsConnector Length93.98 mm[3.7 in]Connector Height12.62 mm[.497 in]Connector Width8.56 mm[.337 in]PCB Thickness (Recommended)1.57 mm[.062 in]Row-to-Row Spacing2.54 mm[.1 in]Usage ConditionsOperating Temperature Range-55 – 105 °C[-67 – 221 °F]Operation/Application	Connector Mounting Type	Board Mount
Centerline (Pitch)2.54 mm[.1 in]DimensionsConnector Length93.98 mm[3.7 in]Connector Height12.62 mm[.497 in]Connector Width8.56 mm[.337 in]PCB Thickness (Recommended)1.57 mm[.062 in]Row-to-Row Spacing2.54 mm[.1 in]Usage Conditions-55 – 105 °C[-67 – 221 °F]Operating Temperature Range-55 – 105 °C[-67 – 221 °F]	Housing Features	
Dimensions         Connector Length       93.98 mm[3.7 in]         Connector Height       12.62 mm[.497 in]         Connector Width       8.56 mm[.337 in]         PCB Thickness (Recommended)       1.57 mm[.062 in]         Row-to-Row Spacing       2.54 mm[.1 in]         Usage Conditions         Operating Temperature Range       -55 – 105 °C[-67 – 221 °F]         Operation/Application	Housing Material	Polymer - GF
Connector Length       93.98 mm[3.7 in]         Connector Height       12.62 mm[.497 in]         Connector Width       8.56 mm[.337 in]         PCB Thickness (Recommended)       1.57 mm[.062 in]         Row-to-Row Spacing       2.54 mm[.1 in]         Usage Conditions       -55 – 105 °C[-67 – 221 °F]         Operating Temperature Range       -55 – 105 °C[-67 – 221 °F]	Centerline (Pitch)	2.54 mm[.1 in]
Connector Height12.62 mm[.497 in]Connector Width8.56 mm[.337 in]PCB Thickness (Recommended)1.57 mm[.062 in]Row-to-Row Spacing2.54 mm[.1 in]Usage ConditionsOperating Temperature Range-55 – 105 °C[-67 – 221 °F]Operation/Application-55 – 105 °C[-67 – 221 °F]	Dimensions	
Connector Width8.56 mm[.337 in]PCB Thickness (Recommended)1.57 mm[.062 in]Row-to-Row Spacing2.54 mm[.1 in]Usage ConditionsOperating Temperature Range-55 – 105 °C[-67 – 221 °F]Operation/Application	Connector Length	93.98 mm[3.7 in]
PCB Thickness (Recommended)       1.57 mm[.062 in]         Row-to-Row Spacing       2.54 mm[.1 in]         Usage Conditions       -55 – 105 °C[-67 – 221 °F]         Operation/Application       -55 – 105 °C[-67 – 221 °F]	Connector Height	12.62 mm[.497 in]
Row-to-Row Spacing2.54 mm[.1 in]Usage Conditions-Operating Temperature Range-55 – 105 °C[-67 – 221 °F]Operation/Application-	Connector Width	8.56 mm[.337 in]
Usage Conditions Operating Temperature Range -55 – 105 °C[-67 – 221 °F] Operation/Application	PCB Thickness (Recommended)	1.57 mm[.062 in]
Operating Temperature Range -55 – 105 °C[-67 – 221 °F] Operation/Application	Row-to-Row Spacing	2.54 mm[.1 in]
Operation/Application	Usage Conditions	
	Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Shielded No	Operation/Application	
	Shielded	No

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Eurocard Connectors, Plug, Board-to-Board, 64 Position, .1 in [2.54 mm] Centerline, Printed Circuit Board, 2 Row, Right Angle, Eurocard Type B



Circuit Application	Signal
Industry Standards	
Approved Standards	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0
Packaging Features	
Packaging Method	Box, Box & Tray
Product Compliance For compliance documentation, visit the product page on TE.com> EU RoHS Directive 2011/65/EU	Compliant
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JAN 2023 (233) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

#### Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

# **Compatible Parts**

Eurocard Connectors, Plug, Board-to-Board, 64 Position, .1 in [2.54 mm] Centerline, Printed Circuit Board, 2 Row, Right Angle, Eurocard Type B

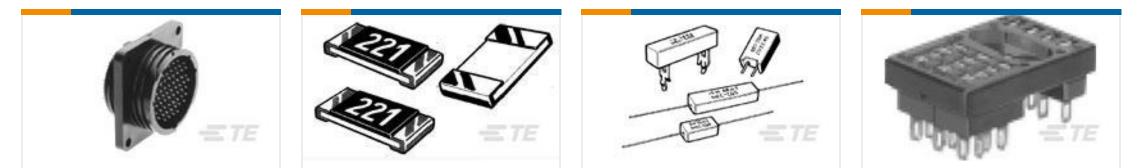




# Also in the Series | Eurocard Type B



# Customers Also Bought







Eurocard Connectors, Plug, Board-to-Board, 64 Position, .1 in [2.54 mm] Centerline, Printed Circuit Board, 2 Row, Right Angle, Eurocard Type B



# Documents

Product Drawings ASSY, PIN, EUROCARD, TYPE B, LEAD-

English

### **CAD** Files

Customer View Model ENG\_CVM\_CVM\_5536052-5\_O.2d\_dxf.zip

English

3D PDF

3D

Customer View Model ENG\_CVM\_CVM\_5536052-5\_O.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_5536052-5\_O.3d\_stp.zip

English

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Product Specifications Application Specification

English