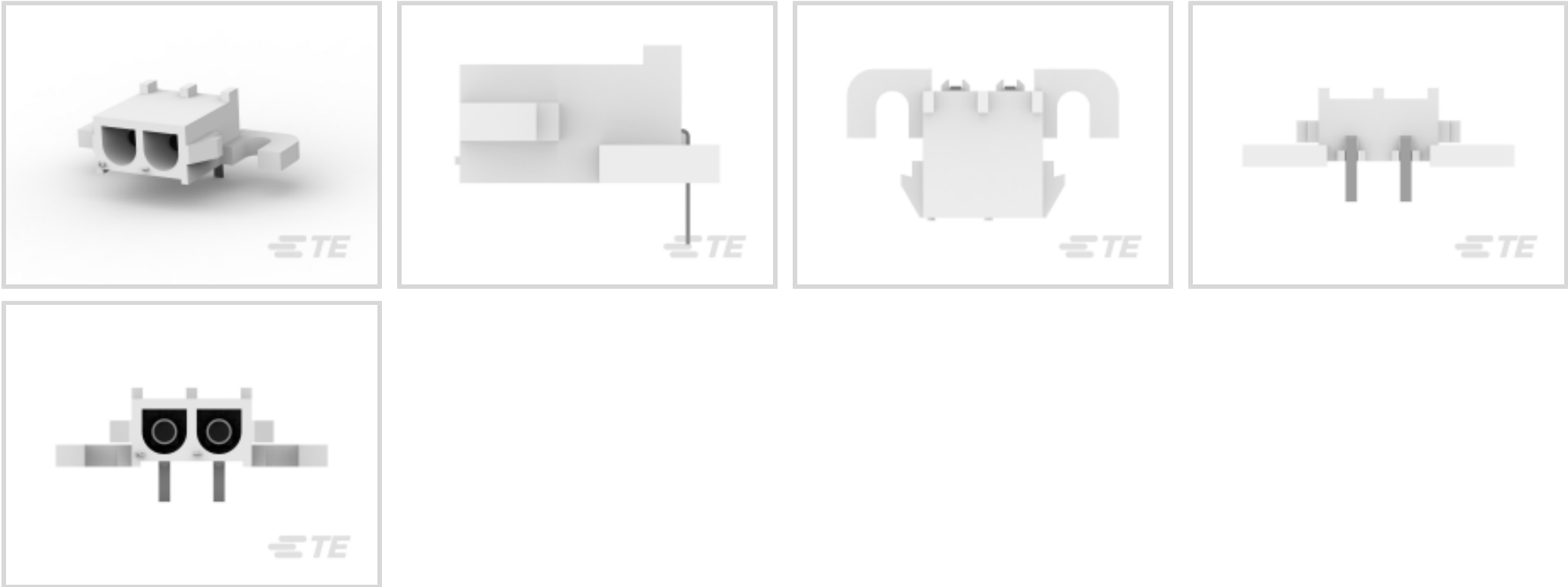




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

Connector System: **Wire-to-Board**

Number of Positions: **2**

Centerline (Pitch): **6.35 mm [ .25 in ]**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Rectangular Power Connector Type  | Header                |
| Connector & Housing Type          | Receptacle            |
| Connector System                  | Wire-to-Board         |
| Sealable                          | No                    |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

|                           |             |
|---------------------------|-------------|
| Number of Positions       | 2           |
| PCB Mount Orientation     | Right Angle |
| Number of Power Positions | 2           |
| Number of Rows            | 1           |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 600 VAC |
|-------------------|---------|

Contact Features

|                |        |
|----------------|--------|
| Contact Layout | Inline |
|----------------|--------|



|                                                |                               |
|------------------------------------------------|-------------------------------|
| Multiple Contact Types                         | Without                       |
| Contact Current Rating (Max)                   | 12 A                          |
| Contact Retention Within Housing               | Without                       |
| Contact Type                                   | Socket                        |
| PCB Contact Termination Area Plating Material  | Pre-Tin                       |
| Contact Mating Area Plating Material           | Pre-Tin                       |
| Contact Mating Area Plating Material Thickness | 3.81 – 5.08 µm[150 – 200 µin] |

Termination Features

|                                             |                       |
|---------------------------------------------|-----------------------|
| Termination Post & Tail Length              | 3.7 mm[.146 in]       |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

|                          |               |
|--------------------------|---------------|
| Strain Relief            | Without       |
| Mating Alignment Type    | Polarization  |
| Mating Alignment         | With          |
| PCB Mount Alignment      | Without       |
| Panel Mount Feature      | Without       |
| PCB Mount Retention      | With          |
| PCB Mount Retention Type | Mounting Hole |
| Connector Mounting Type  | Board Mount   |
| Mating Retention         | With          |
| Mating Retention Type    | Positive Lock |

Housing Features

|                    |                 |
|--------------------|-----------------|
| Centerline (Pitch) | 6.35 mm[.25 in] |
| Housing Color      | Natural         |
| Housing Material   | Nylon           |

Dimensions

|                             |                  |
|-----------------------------|------------------|
| PCB Thickness (Recommended) | 3.18 mm[.125 in] |
|-----------------------------|------------------|

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -40 – 105 °C[-40 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

|                              |         |
|------------------------------|---------|
| Assembly Integration Feature | Without |
| Circuit Application          | Power   |



Industry Standards

|                        |                               |
|------------------------|-------------------------------|
| CSA Rating             | Certified                     |
| UL Flammability Rating | UL 94V-0                      |
| Glow Wire Rating       | Standard Part - Not Glow Wire |
| Agency/Standard Number | E28476                        |
| Agency/Standard        | CSA, UL                       |
| UL Rating              | Recognized                    |
| CSA File Number        | LR7189                        |
| VDE Tested             | Yes                           |

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Method   | Bag |
| Packaging Quantity | 280 |

Other

|              |                                              |
|--------------|----------------------------------------------|
| For Use With | Mates with Plug Housing (Using Pin Contacts) |
|--------------|----------------------------------------------|

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

|                                               |                                                                                                                                 |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 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 2022 (224)<br>Candidate List Declared Against: JUNE 2022 (224)<br>Does not contain REACH SVHC |
| Halogen Content                               | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free                                             |
| Solder Process Capability                     | Wave solder capable to 265°C                                                                                                    |

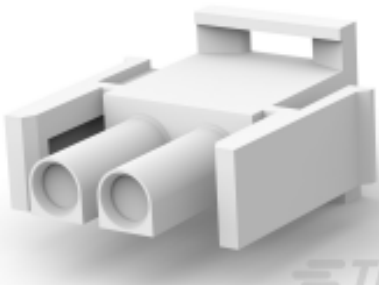
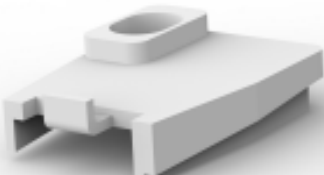
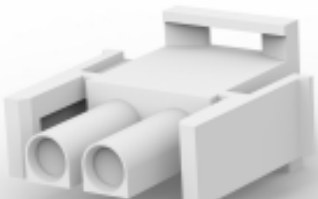
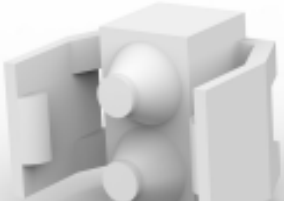
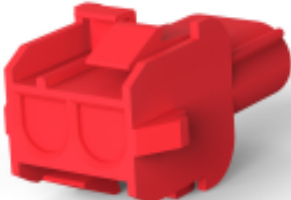
Product Compliance Disclaimer

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

|                                                                                                                                                 |                                                                                                                                                          |                                                                                                                                                            |                                                                                                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 350777-1<br/>02P UMNL PLUG HSG</p>               |  <p>TE Part # 770017-1<br/>02P UMNLII IN-LNE PLUG HSG KIT</p>           |  <p>TE Part # 794815-1<br/>02P UMNL CAP HSG,HI TEMP</p>                 |  <p>TE Part # 1703062-1<br/>CAP, 2 CIRCUIT , UNIVERSAL MATE-N-LOK</p>   |
|  <p>TE Part # 1586856-1<br/>02P UMNL CAP HSG, GW</p>         |  <p>TE Part # 1-350589-0<br/>STR/REL CLAMP NATL</p>                   |  <p>TE Part # 640713-2<br/>02P UMNL STR/RELIEVE</p>                   |  <p>TE Part # 794269-1<br/>02P UMNL INTERFACE SEAL</p>                |
|  <p>TE Part # 794991-1<br/>02P UMNL BLACK INTERFACE SEAL</p> |  <p>TE Part # 1586892-3<br/>03P UMNL HDR ASSY R/A, GW V0</p>          |  <p>TE Part # 350848-2<br/>02P UMNL PLUG TEST ASSY 94VO</p>           |  <p>TE Part # 1969795-1<br/>02P UMNL HDR ASSY SCKT V0 GW</p>          |
|  <p>TE Part # 643250-1<br/>02P UMNL ASSY MOD HSG V0</p>      |  <p>TE Part # 1703062-2<br/>CAP, 2 CIRCUIT , UNIVERSAL MATE-N-LOK</p> |  <p>TE Part # 1703062-3<br/>CAP, 2 CIRCUIT , UNIVERSAL MATE-N-LOK</p> |  <p>TE Part # 1703062-4<br/>CAP, 2 CIRCUIT , UNIVERSAL MATE-N-LOK</p> |



TE Part # 2-480699-0  
02P UMNL CAP HSG NATL

TE Part # 2178649-1  
2P UMNL CAP HSG, GW

TE Part # 2178649-2  
2P UMNL CAP HSG, GW

TE Part # 2178649-3  
2P UMNL CAP HSG, GW

Also in the Series | Universal MATE-N-LOK

Circular Power Connectors(2)

Connector Contacts(11)

Insertion & Extraction Tools(4)

Power Contacts(207)

Rectangular Boots & Strain Relief(35)

Rectangular Connector Adapters(7)

Rectangular Connector Hardware(1)

Rectangular Connector Housings(2)

Rectangular Connector Keying Plugs(3)

Rectangular Connector Locking(4)

Rectangular Connector Seals(26)

Rectangular Power Connectors(729)

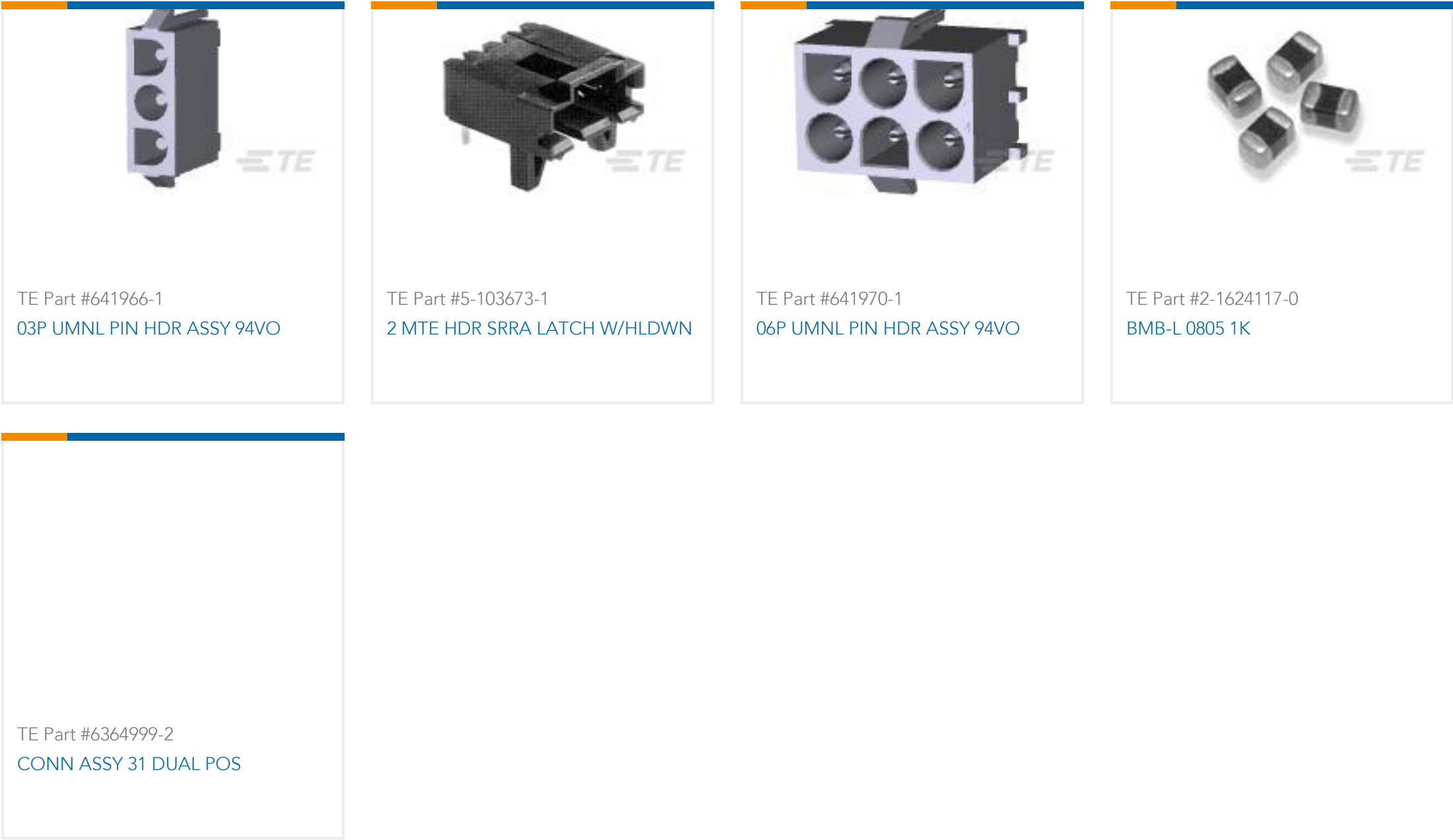
Customers Also Bought

TE Part #2-1419129-5  
OJ-SS-112LMH,000

TE Part #1-1734742-0  
.5 FPC VT ZIF Type-A 10 CONT

TE Part #641971-1  
09P UMNL PIN HDR ASSY V2 NATL

TE Part #640584-1  
08P UMNL HDR ASSY R/A 94VO



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_643226-1\_F.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_643226-1\_F.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_643226-1\_F.3d\_stp.zip

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Datasheets & Catalog Pages

SOFT\_SHELL\_PIN\_SOCKET\_CONNECTORS\_STANDARD\_DENSITY



English

- Product Specifications
- Application Specification

English

- Product Environmental Compliance
- MD\_643226-1\_03202018539\_dmtec

English

- MD\_643226-1\_03202018539\_dmtec

English

- Instruction Sheets
- Instruction Sheet (U.S.)

English

- Agency Approvals
- CSA Certificate

English