



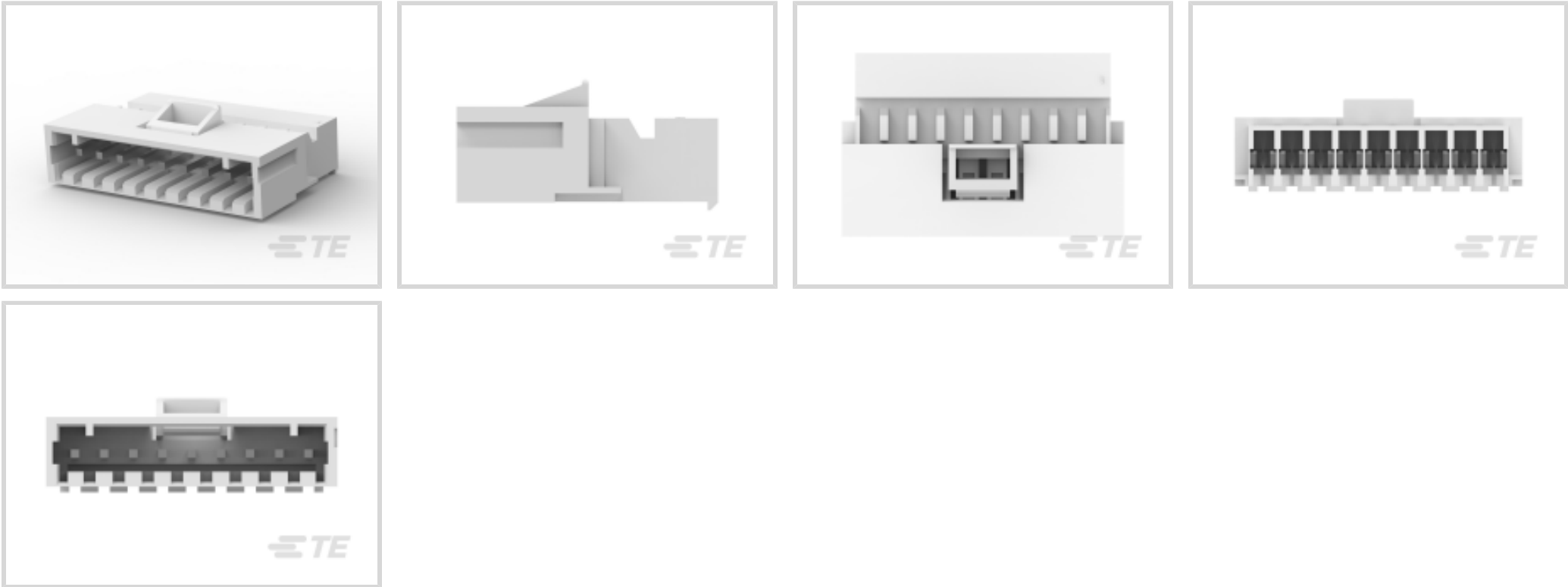
MTA 156

TE Internal #: 3-641438-9

Connector Assembly, Plug, Insulation Displacement (IDC), Wire-to-Wire, Tin (Sn), UL 94V-2, MTA 156, Rectangular Wire & Cable Connectors & Housings

[View on TE.com >](#)

Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Connector Assembly**
Connector & Housing Type: **Plug**
Mating Alignment: **With**
Mating Alignment Type: **Polarization**
Mating Retention: **With**

Features

Product Type Features

Compatible With Discrete Wire Type	Solid, Stranded
Connector Product Type	Connector Assembly
Connector & Housing Type	Plug
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Signal Positions	0
Number of Power Positions	9
Number of Positions	9
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC
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Body Features



Cable Exit Angle	90°
Primary Product Color	White

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	50 µm[1.27 µin]
Wire Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	2.03 µm[80 µin]
Contact Layout	Inline
Contact Base Material	Copper Alloy
Wire Contact Termination Area Plating Thickness	2.03 µm[80 µin]
Contact Type	Pin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material	Tin (Sn)
Contact Retention Within Housing	With
Contact Current Rating (Max)	7 A

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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Mechanical Attachment

Strain Relief	With
Panel Mount Feature	Without
Contact Retention Type Within Housing	Locking Lance
Mating Alignment	With
Mating Alignment Type	Polarization
Mating Retention	With
Mating Retention Type	Latch
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	Nylon
Wire & Cable IDC Installation Type	Closed End
Centerline (Pitch)	3.96 mm[.156 in]

Dimensions

Compatible Insulation Diameter Range	2.41 mm[.095 in]
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Connector Height	12.37 mm
Wire Size	24 AWG
Connector Length	39.62 mm

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Operation/Application

Circuit Application	Power
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Industry Standards

Compatible With Agency/Standards Products	CSA, UL
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476
CSA Rating	Certified, LR 7189
Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-2

Packaging Features

Packaging Quantity	900
Packaging Method	Package

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: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241) 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	Not applicable for solder process capability

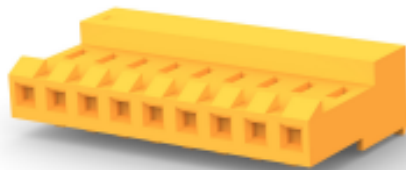
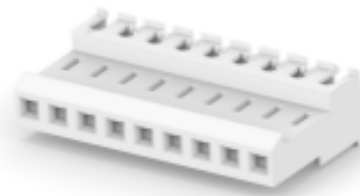
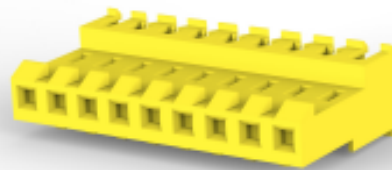
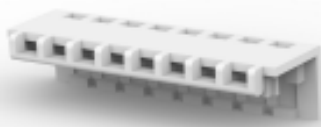
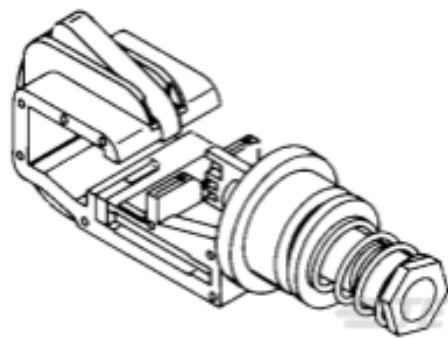
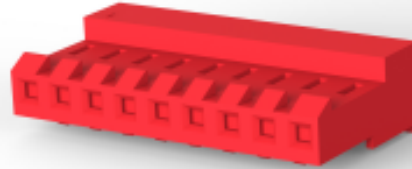
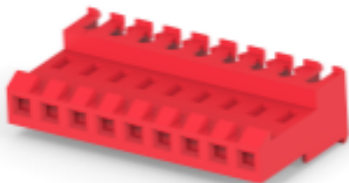
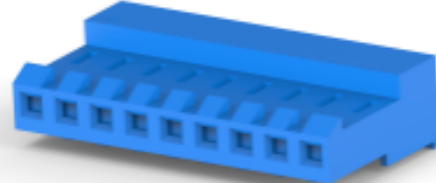
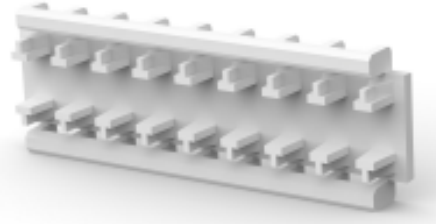
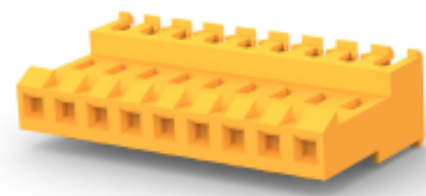
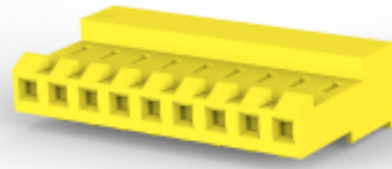
Product Compliance Disclaimer

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

 TE Part # 3-640426-9 09P MTA156 CONN ASSY 18AWG ORA	 TE Part # 640551-9 09P MTA156 COVER	 TE Part # 3-640602-9 09P MTA156 CONN ASSY 24AWG LF	 TE Part # 3-640600-9 09P MTA156 CONN ASSY 20AWG LF
 TE Part # 3-640429-9 09P MTA156 CONN ASSY 24AWG WHT	 TE Part # 643067-9 09P MTA156 MOLDED COVER	 TE Part # 58082-1 MTA 156 CRIMP HEAD PRODUCTION POSTED	 TE Part # 3-640428-9 09P MTA156 CONN ASSY 22AWG RED
 TE Part # 3-640601-9 09P MTA156 CONN ASSY 22AWG LF	 TE Part # 3-640430-9 09P MTA156 CONN ASSY 26AWG BLU	 TE Part # CAT-103156-WBHSM Receptacle Housing: Wire-to-Board, with Mating Alignment, SL156	 TE Part # 643071-9 09P MTA156 FD-THRU COVER
 TE Part # 3-644860-9 09P MTA156 CONN ASSY 18AWG LF	 TE Part # 58074-1 MTA 50/100/156 MANUAL TOOL FRAME	 TE Part # 3-640599-9 09P MTA156 CONN ASSY 18AWG ORA	 TE Part # 3-640427-9 09P MTA156 CONN ASSY 20AWG YEL

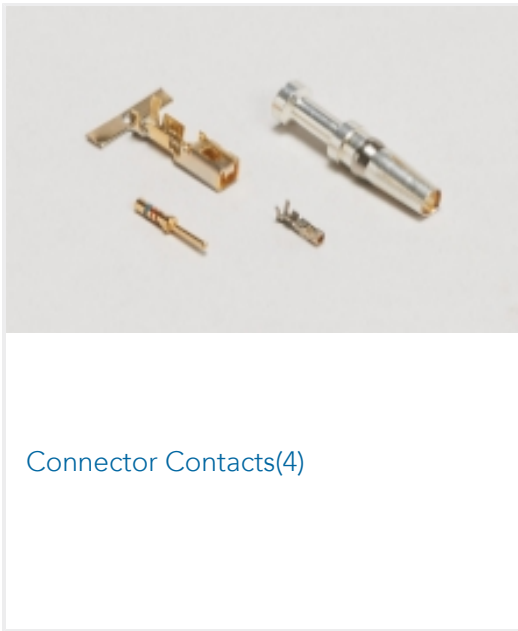


TE Part # 640643-9
09P MTA156 COVER F/T

Also in the Series | MTA 156



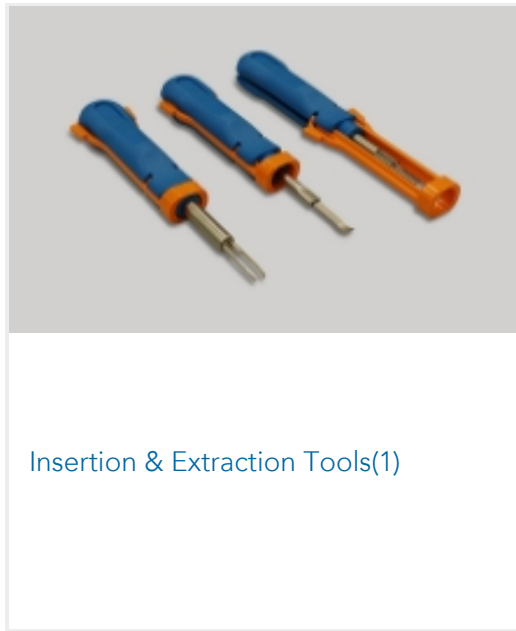
Connector Caps & Covers(89)



Connector Contacts(4)



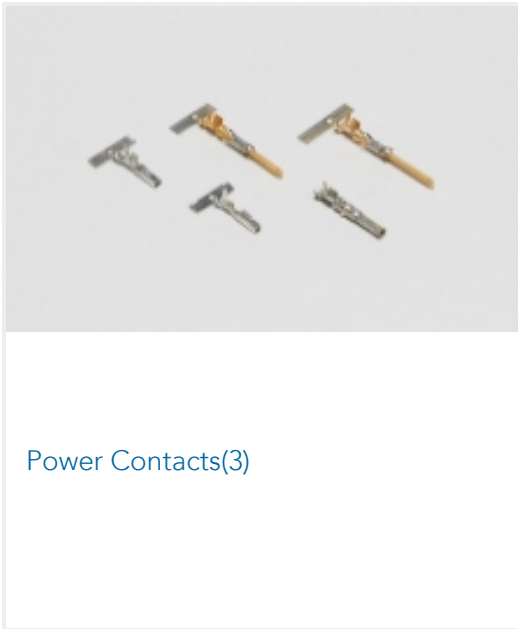
Connector Hardware(2)



Insertion & Extraction Tools(1)



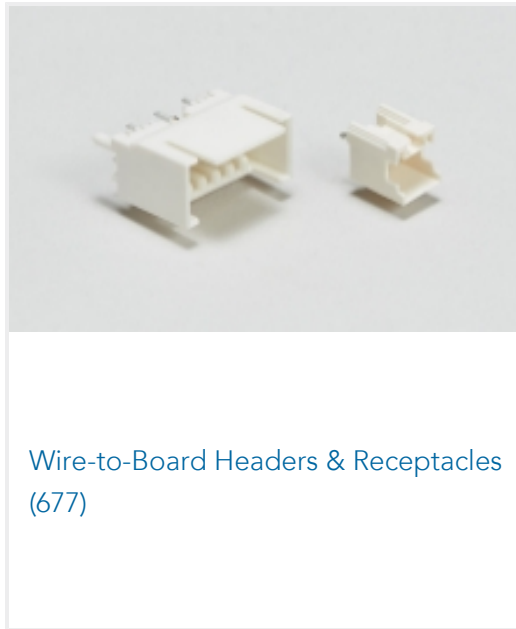
PCB Headers & Receptacles(677)



Power Contacts(3)



Rectangular Power Connectors(1178)



Wire-to-Board Headers & Receptacles (677)

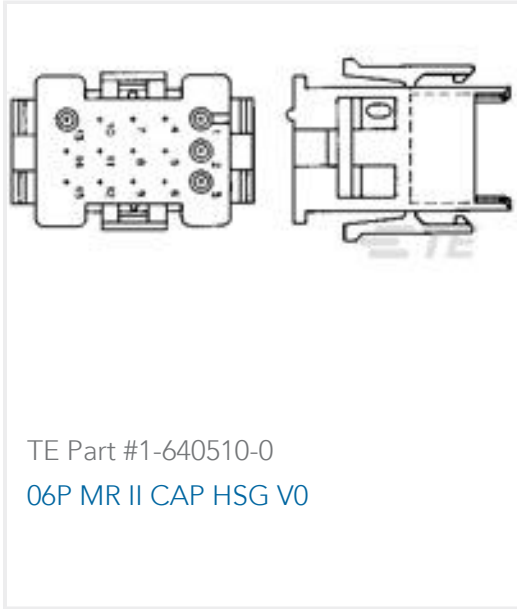
Customers Also Bought



TE Part #3-641438-4
04P MTA156 PSTD CONN ASSY WHT



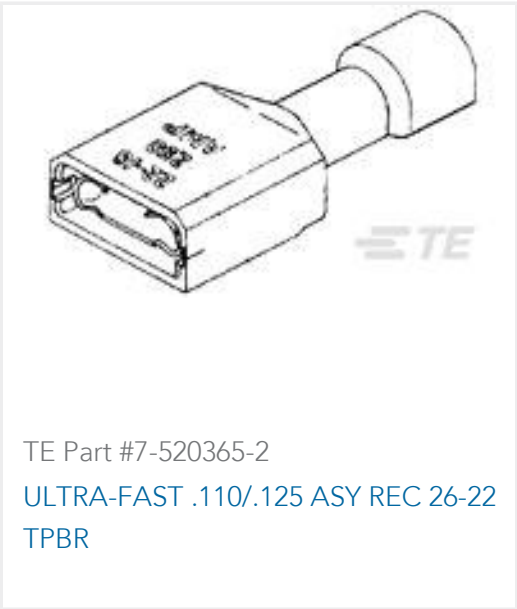
TE Part #103653-4
05 MTE SHRD PIN HSG SR LATCH



TE Part #1-640510-0
06P MR II CAP HSG V0



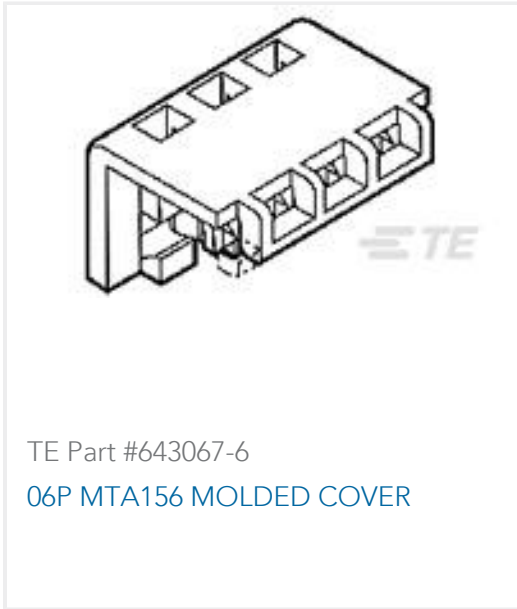
TE Part #350865-1
01P UMNL PLUG HSG



TE Part #7-520365-2
ULTRA-FAST .110/.125 ASY REC 26-22 TPBR



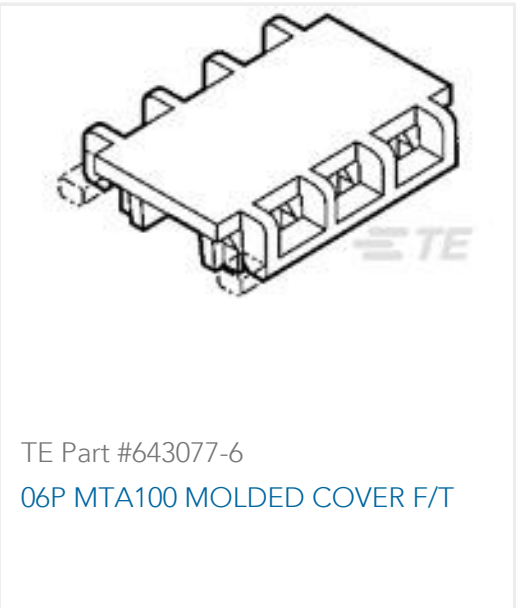
TE Part #770901-1
MINI UMNL PIN 26-22 AWG SN



TE Part #643067-6
06P MTA156 MOLDED COVER



TE Part #3-640429-4
04P MTA156 CONN ASSY 24AWG WHT



Documents

Product Drawings

09P MTA156 PSTD CONN ASSY WHT

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-641438-9_R.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-641438-9_R.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-641438-9_R.3d_stp.zip

English

Customer View Model

ENG_CVM_3-641438-9_M.3d_igs.zip

English

Customer View Model

ENG_CVM_3-641438-9_M.3d_stp.zip

English

Customer View Model

ENG_CVM_3-641438-9_M.2d_dxf.zip

English

3D PDF

English

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Product Specifications

Application Specification

English

Agency Approvals

UL

English



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English