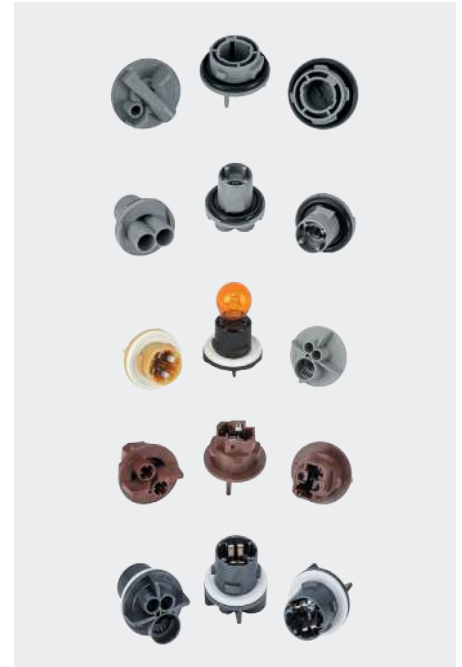# molex®

Molex's unparalleled selection of innovative Bulb Socket solutions matches the needs of vehicle makers around the world for safety, performance, variety and robust features

Applications

Transportation

- Front indicator
- Brake light
- Reversing light
- Rear fog light
- Rear indicator
- Tail light
- Side indicator
- Parking/marker light

Applications by Bulb Type

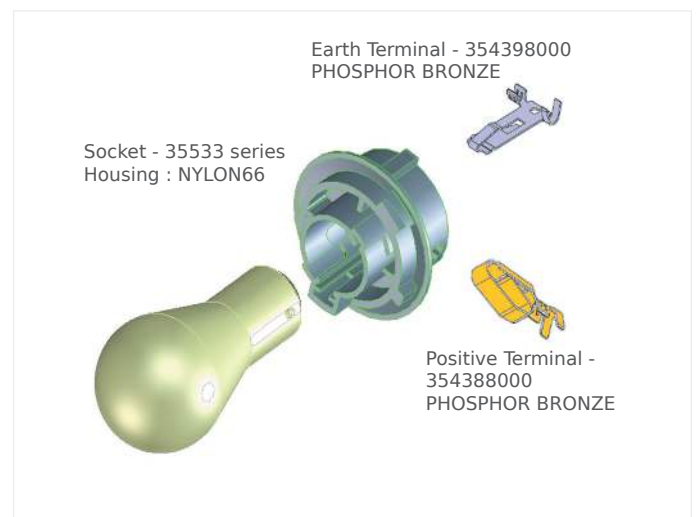|	Bulb	Bulb Type	Bulb Cap	Application
PT Bulb Socket		Single: P21W Double: P21/5W	Single: BA15s Double: BAY15d	• Front indicator • Brake light • Reversing light • Rear fog light • Rear indicator
Wedge Bulb Socket		Single: W16W Single: W5W	Single: W2.1 x 9.5d	W16W • Reversing light • Rear indicator W5W • Tail light • Rear fog light • Parking / marker light
S8 Bulb Socket		Double: W27W/7W	Double: W3 x 16q	• Front indicator • Brake light • Reversing light • Rear fog light • Rear indicator
T20 Bulb Socket		Single: W21W Double: WY21W	Single: W3 x 16d Single: WX3 x 16d	• Front indicator • Brake light • Reversing light • Rear fog light • Rear indicator
WT21 Bulb Socket		Single: WTY21W Single: WT21W Double: WTY21W/7W Double: WT21W/7W Double: WTY28/7W	Single: WUY3 x 16d Single: WUX3 x 16d Double: WZX3 x 16q Double: WZX3 x 16q Double: WUZ3 x 16q	• Front indicator • Brake light • Reversing light • Rear fog light • Rear indicator

PT Bulb Sockets

Features and Benefits

For P21W, PY21W, P21/5W, P21/4W bulbs in single and double filament styles	Meets industry standards and various customer needs
Push-and-turn mating style	Provides easy insertion and secure locking
Available in sealed and unsealed versions	Meets various design requirements
Wide variety of keying and color options	Meets design needs for combination lamps
Compliant with major automotive specifications	Meets OEM requirements

PT Bulb Socket (Sealed)

Earth Wire Seal - 359030106
Silicone

Socket - 35843, 35842 series
Housing : NYLON66
Seal Gasket : NBR

Earth Terminal -
354658000
PHOSPHOR BRONZE

Positive Terminal -
354648000
PHOSPHOR BRONZE

Positive Wire Seal - 359030096
Silicone

PT Bulb Socket (Unsealed)

Earth Terminal - 354398000
PHOSPHOR BRONZE

Socket - 35533 series
Housing : NYLON66

Positive Terminal -
354388000
PHOSPHOR BRONZE

Ordering Information

PT Bulb Socket Housings

Family Type	Order No.	Filament	Bulb	Bulb Cap	LCL (mm)	Sealed/ Unsealed	Color	Lug Pattern
PT	35843-1205	Single	P21W	BA 15s	31.80	Sealed	Gray	A-type
	35843-1215						Gray	B-type
	35843-1236						White	EC-type
	35843-1245						Gray	D-type
	35843-1216						White	B-type
	35843-1227						Brown	C-type
	35533-0205					Unsealed	Gray	A-type
	35533-0215						Gray	B-type
	35533-0226						White	C-type
	35842-1307	Double	P21/5W	BAY 15d		Sealed	Brown	A-type
	35842-1335						Gray	EC-type
	35842-1316						White	B-type
	35532-0305					Unsealed	Gray	A-type

Crimp Terminals

Family Type	Order No.	Applicable Wire Size	Sealed/ Unsealed	Type
PT	35464-8000	AVS 0.50 - 0.85mm^2	Sealed	Positive
	35465-8000			Earth
	35438-8000		Unsealed	Positive
	35439-8000			Earth

Wire Seals

Family Type	Order No.	Type	Color
PT	35903-0096	Positive	Brown
	35903-0106	Earth	Blue

molex®

Wedge Bulb Sockets

Features and Benefits

For W5W, W16W bulbs	Meets industry standards
Bulb is easily "wedged" into socket	Offers simple one-step assembly
Contact pins positioned onto socket base	Provides component cost saving versus versions that require bulb base-mount
Available in sealed and unsealed versions	Meets various customer needs
Short-housing option available	Ideal for space-constraint requirements
Wide variety of keying and color options	Provides design flexibility for combination lamps
Compliant with major automotive specifications	Meets OEM requirements
Silicon seal gasket	Meets industry sealing class requirements (USCAR-155.7 Specification) for high reliability in harsh environments
Available in single filament with 2 Watt options (5W or 16W)	Meets various customer needs

Wedge Bulb Socket Component Breakdown

Terminal Wire Seal - 495059001
Silicone

Socket - 49505 series W16W
Socket - 68147 series W5W
Housing : NYLON66
Seal Gasket : Silicone

Terminal - 354779002
BRASS

Ordering Information

Wedge Bulb Socket Housings

Family Type	Order No.	Filament	Bulb	Bulb Cap	LCL (mm)	Sealed/Unsealed	Color	Socket Length
Wedge	49505-1215	Single	W16W	W2.1 x 9.5d	26.5	Sealed	Gray	32
	49505-0206					Unsealed	White	35.50
	68147-0215		W5W	W2.1 x 9.5d	13.8	Sealed	Gray	33.50

Crimp Terminals

Family Type	Order No.	Applicable Wire Size
Wedge	35477-9002	AVS 0.5 - 0.85mm² FLRY-A 0.75mm²

Wire Seals

Family Type	Order No.	Color
Wedge	49505-9001	Black

molex®

S8 Bulb Sockets

Features and Benefits

For P27W/7W bulbs	Meets industry standards
Bulb is easily "wedged" into socket	Provides simple one-step assembly
One-piece housing design	Offers reduced inventory stocking and component costs
Two different wire seal sizes	Meets industry sealing class requirements (USCAR -15 5.7 Specification) for high reliability in harsh environments
Wide variety of keying and color options	Provides design flexibility for combination lamps
Compliant with major automotive specifications	Meets industry-standard requirements
Separate stainless steel holder assembled with bulb socket	Provides stable insertion and extraction force
Durable high temperature material	Withstands high vibration and prevents lamp fogging

S8 Bulb Socket Component Breakdown

Wire Seal L - 494549003
Wire Seal S - 494549002
Silicone

Socket - 104037, 104039 series
Housing : LCP
Gasket : Silicone

Sealed Single Terminal - 498699702
Sealed Double Terminal - 498699702
BRASS
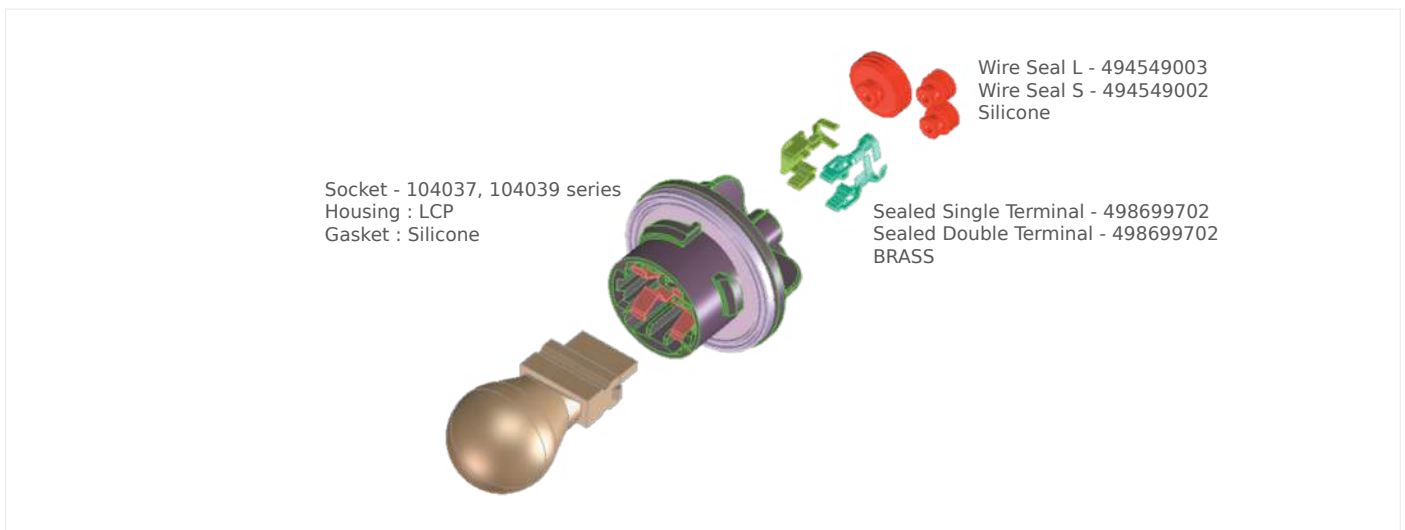
Ordering Information

S8 Bulb Socket Housings

Family Type	Order No.	Filament	Bulb	Bulb Cap	LCL (mm)	Sealed/ Unsealed	Color	Lug Pattern
S8	104037-0311	Double	P27W/7W	W3x16q	29.50	Sealed	Black	B-Type
	104039-0311				34.90			

Crimp Terminals

Family Type	Order No.	Applicable Wire Size	Type
S8	49868-9702	AVS 0.5 - 0.85mm^2 FLRY-A 0.75mm^2	Double

Wire Seals

Family Type	Order No.	Size	Color
S8	49454-9003	Large	Red

molex®
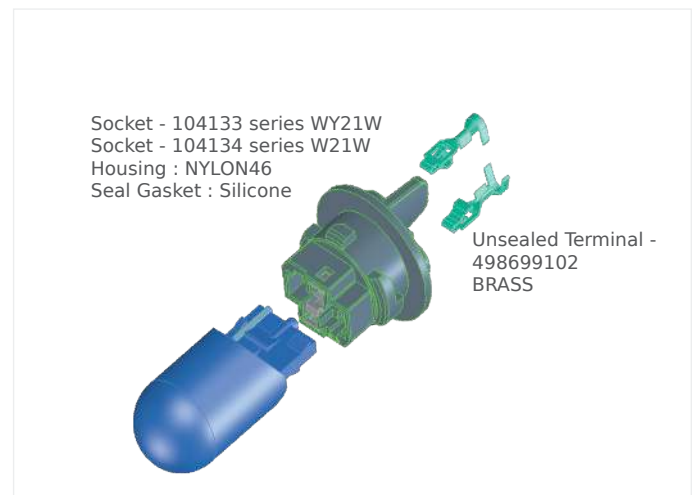
T20 Bulb Sockets

Features and Benefits

For W21W and WY21W bulbs	Meets industry standards
Bulb is easily "wedged" into housing	Provides simple one-step assembly
Available in sealed and unsealed versions	Meets various customer needs
Wide variety of keying and color options	Provides design flexibility for combination lamps
Compliant with major automotive specifications	Meets industry-standard requirements
Separate stainless steel Holder assembled with bulb socket	Provides stable insertion and extraction force
Durable high-temperature material	Withstands high vibration and prevents lamp fogging

T20 Bulb Socket (Sealed)

Terminal Wire Seal - 494549002
Silicone

Socket - 104133 series WY21W
Socket - 104134 series W21W
Housing : NYLON46
Seal Gasket : Silicone

Sealed Terminal -
498699702
BRASS

T20 Bulb Socket (Unsealed)

Socket - 104133 series WY21W
Socket - 104134 series W21W
Housing : NYLON46
Seal Gasket : Silicone

Unsealed Terminal -
498699102
BRASS
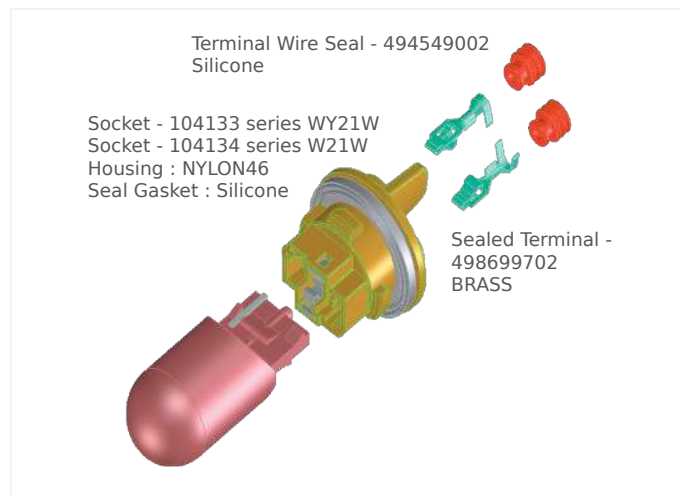
Ordering Information

T20 Bulb Socket Housings

Family Type	Order No.	Filament	Bulb	Bulb Cap	LCL (mm)	Sealed/Unsealed	Color
T20	104134-0221	Single	W21W	W3 x 6d	31.80	Sealed	Black
	104134-0211					Unsealed	Black
	104133-0227		WY21W	WX3 x 16d		Sealed	Brown
	104133-0217					Unsealed	Brown

Crimp Terminals

Family Type	Order No.	Applicable Wire Size	Sealed/Unsealed
T20	49869-9702	AVS 0.5 - 0.85mm²	Sealed
	49869-9102	FLRY-A 0.75mm²	Unsealed

Wire Seals

Family Type	Order No.	Size	Color
T20	49454-9002	Small	Red

molex®

WT21 Bulb Sockets

Features and Benefits

For WTY21W, WT21W, WTY21W/7W, WT21W/7W, WTY28/7W	Meets industry standards
Bulb is easily "wedged" into socket	Provides simple one-step assembly
Offered in sealed and unsealed versions	Meets various customer requirements
Wide variety of keying and color options	Provides design flexibility for combination lamps
Compliant with major automotive specifications	Meets industry-standard requirements
Each socket has its own type of bulb	Provides additional keying feature to avoid mis-mating
Separate stainless steel holder assembled with bulb socket	Provides stable insertion and extraction force
Durable high-temperature material	Withstands high vibration and prevents lamp fogging

WT21 Bulb Socket (Sealed)

Terminal Wire Seal S – 494549002
Terminal Wire Seal L – 494549003
Silicone

Socket - 104611 series
Housing : LCP
Gasket : Silicone

Sealed Single Terminal - 498699702
Sealed Double Terminal - 498689702
BRASS

Ordering Information

WT21 Bulb Socket Housings [Pre-release stage; contact Molex for details]

Family Type	Order No.	Filament	Bulb	Bulb Cap	LCL (mm)	Sealed/ Unsealed	Color	Lug Pattern
WT21	104611-0341	Single	WTY21W	WUY3 x 16d	31.80	Sealed	Black	D-type
	104611-0351		WT21W	WUX3 x 16d				E-type
	104611-0311	Double	WTY21W/7W	WZX3 x 16q				A-type
	104611-0321		WT21W/7W	WZX3 x 16q				B-type
	104611-0331		WTY28/7W	WUZX3 x 16q				C-type

Crimp Terminals

Family Type	Order No.	Applicable Wire Size	Sealed/ Unsealed	Type
WT21	49869-9702	AVS 0.5 - 0.85mm²	Sealed	Single
	49868-9702	FLRY-A 0.75mm²		Double

Wire Seals

Family Type	Order No.	Color	Size
WT21	49454-9002	Red	Small
	49454-9003		Large

www.molex.com/link/bulbsocket.html