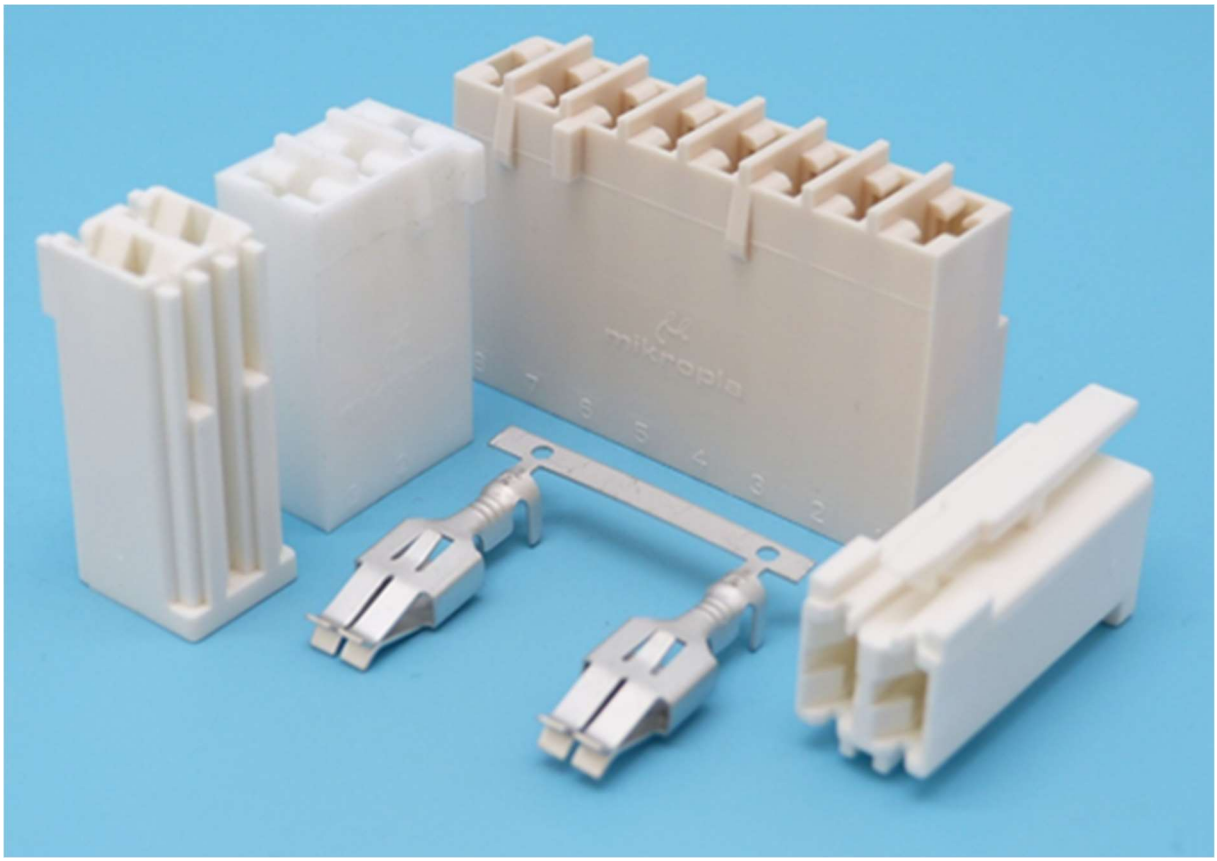


RS52-53-54 connectors

RAST 5 system connection

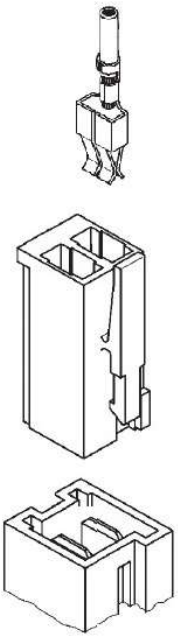
Passo 5.00mm – uscita cavo 180° frontale

5.00mm centerline – wire vertical exit 180°

DESCRIZIONE / Overview

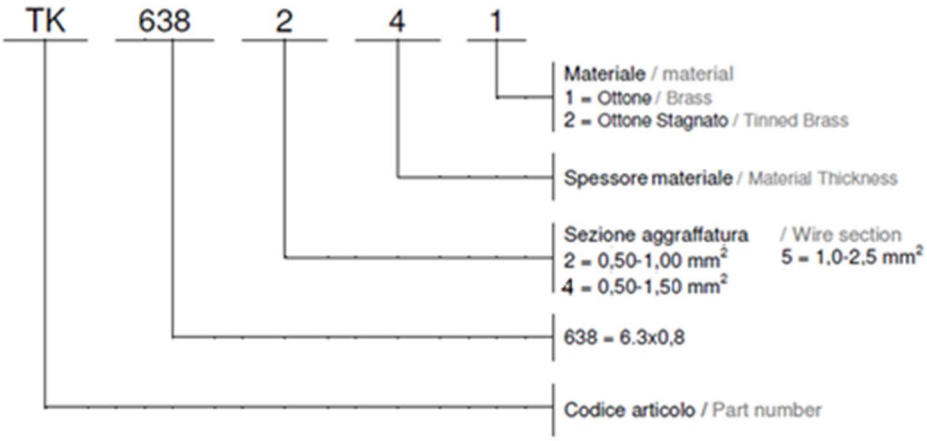
Questo tipo di connessione consiste in connettori multivia passo 5.00mm e terminall femmina a crimpare ad inserimento morbido per connessione indiretta su scheda elettronica. I connettori hanno interfaccia con una chiave di polarizzazione secondo il sistema RAST. La tenuta del terminale nel connettore è garantita da un dente integrato nel terminale, mentre la tenuta sulla basetta a scheda è garantita dal gancio di sicurezza del connettore. I connettori sono disponibili in materiali compatibili con il 'Glow Wire Test' secondo la Norma IEC 60335-1 ed hanno applicazioni in cablaggi elettrici utilizzati nell'industria del piccolo e grande Elettrodomestico.

This connection system is a range of housings with pitch 5.00 and Low Insertion Force crimp contacts (sockets) with indirect mating to the printed circuit board . Housings have an interface with a polarizing key according to RAST system. Terminal retention into the housing is provided by the lance of the terminals, and the retention on the Pcb header is granted by the housing safety lock
The connectors are available in materials compatible with the 'Glow Wire Test' according to the IEC 60335-1 and have applications in electrical wiring used in the small and large appliance.

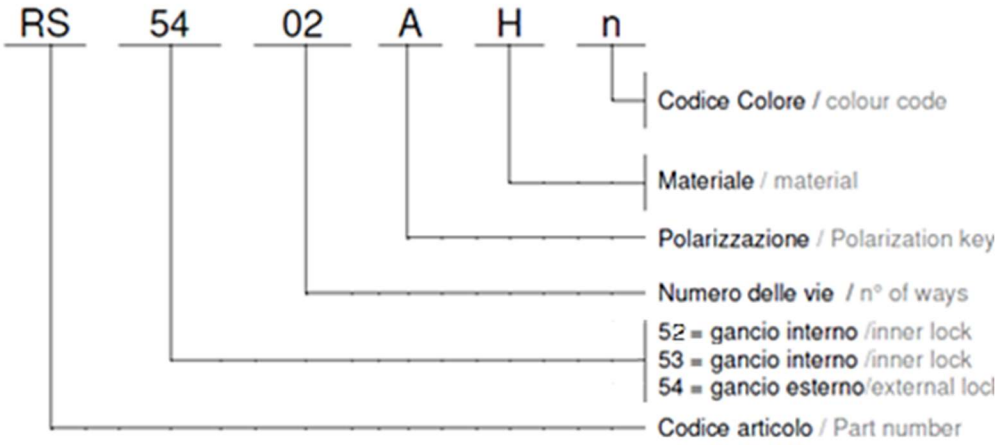


DIMENSIONI / Dimensions

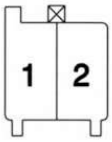
IDENTIFICAZIONE TERMINALI / Contacts Name and Part Number



IDENTIFICAZIONE CONNETTORI / Housings Name and Part Number



CHIAVE DI POLARIZZAZIONE / Polarization Key



Le polarizzazioni realizzate secondo lo schema Rast sono indicate con le lettere dalla A alla L. (vedi tabelle)
La lettera N indica l'assenza di polarizzazione. La lettera X indica la presenza di tutte le polarizzazioni.

Polarization key is indicated by the letters from A to L.
The letter N indicates the absence of polarization. The letter X indicates the presence of all polarization keys.

CARATTERISTICHE MATERIALI / Materials Specification

Connettori / Housings	*PA66-V2, PA66-V0* *Glow Wire capable (750°C Noflame) according to Directive IEC 60335-1.*
Terminali / Contacts	*Brass or Phosphor Bronze with tin plating (Lead-Free).*

CORRENTI E CAVI APPLICABILI / Ratings and Applicable Wires

Sezioni di cavo applicabili / Applicable wire	0,50-2,50 mm^2 / 20-14 AWG
Tensione della corrente di lavoro / Rated voltage	250V AC/DC max
Portata di corrente / Rated current (max.)	6 A max

CARATTERISTICHE ELETTRICHE / Electrical Specification

Temperatura d'esercizio / Operating temperature	-40°C ~ +140°C
Resistenza del contatto / Contact resistance	10 mΩ max

CERTIFICAZIONI SUL PRODOTTO / Product Approvals

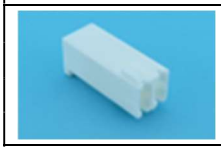
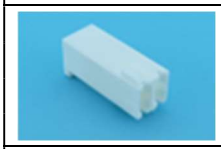
AUTOCERTIFICAZIONI / Product Certification

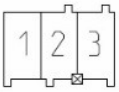
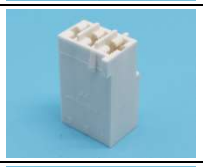
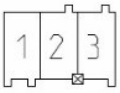
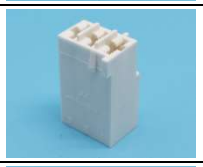
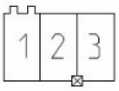
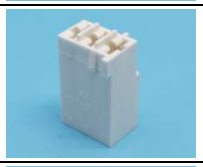
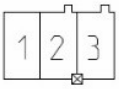
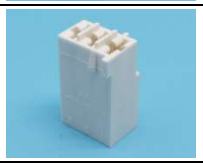
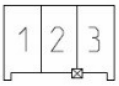
CE RoHS REACH

TERMINALI / Terminals

DESCRIZIONE Description	PASSO Pitch	CODICE Code	Sezione/wire section mm²	AWG	MATERIALE Material	TRATTAMENTO Treatment	CERTIFICATI Approvals	CONF.NE Package
	15,9mm	**TK638242**	0,50-1,0	20-18	Ottone Brass	Stagnato Tin plated	---	5 x 2.500
		TK638442	0,50-1,5	20-16				5 x 1.500
		TK638542	1,00-2,50	18-14				5 x 2.000

CONNESSIONE CON GANCIO INTERNO / Connectors with interior lock

DESCRIZIONE Description	n. vie n.circuit	CODICE Code	MATERIALE Material	RATING UL94	RTI	GWT	CERTIFICATI Approvals	CONF.NE Package
		RS5202A	PA66	V2	130	---	---	2.000
		RS5202AV0	PA66	V0	140	---		
		RS5202AH	PA6	V2	130	750°C noflame		
		RS5202AZ	PA66	V0	140	750°C noflame		
		RS5202B	PA66	V2	130	---	---	2.000
		RS5202BV0	PA66	V0	140	---		
		RS5202BH	PA6	V2	130	750°C noflame		
		RS5202BZ	PA66	V0	140	750°C noflame		
		RS5202C	PA66	V2	130	---	---	2.000
		RS5202CV0	PA66	V0	140	---		
		RS5202CH	PA6	V2	130	750°C noflame		
		RS5202CZ	PA66	V0	140	750°C noflame		
		RS5202D	PA66	V2	130	---	---	2.000
		RS5202DV0	PA66	V0	140	---		
		RS5202DH	PA6	V2	130	750°C noflame		
		RS5202DZ	PA66	V0	140	750°C noflame		
		RS5202E	PA66	V2	130	---	---	2.000
		RS5202EV0	PA66	V0	140	---		
		RS5202EH	PA6	V2	130	750°C noflame		
		RS5202EZ	PA66	V0	140	750°C noflame		
		**RS5202F**	PA66	V2	130	---	---	2.000
		RS5202FV0	PA66	V0	140	---		
		RS5202FH	PA6	V2	130	750°C noflame		
		RS5202FZ	PA66	V0	140	750°C noflame		
		**RS5202G**	PA66	V2	130	---	---	2.000
		RS5202GV0	PA66	V0	140	---		
		RS5202GH	PA6	V2	130	750°C noflame		
		RS5202GZ	PA66	V0	140	750°C noflame		
		RS5202L	PA66	V2	130	---	---	2.000
		RS5202LV0	PA66	V0	140	---		
		RS5202LH	PA6	V2	130	750°C noflame		
		RS5202LZ	PA66	V0	140	750°C noflame		
		RS5202M	PA66	V2	130	---	---	2.000
		RS5202MV0	PA66	V0	140	---		
		RS5202MH	PA6	V2	130	750°C noflame		
		RS5202MZ	PA66	V0	140	750°C noflame		

DESCRIZIONE Description	n. vie n.circuit	CODICE Code	MATERIALE Material	RATING			CERTIFICATI Approvals	CONF.NE Package
				UL94	RTI	GWT		
		RS5202N	PA66	V2	130	---	---	2.000
		RS5202NV0	PA66	V0	140	---		
		RS5202NH	PA6	V2	130	750°C noflame		
		RS5202NZ	PA66	V0	140	750°C noflame		
		RS5202P	PA66	V2	130	---	---	2.000
		RS5202PV0	PA66	V0	140	---		
		RS5202PH	PA6	V2	130	750°C noflame		
		RS5202PZ	PA66	V0	140	750°C noflame		
		RS5202Q	PA66	V2	130	---	---	2.000
		RS5202QV0	PA66	V0	140	---		
		RS5202QH	PA6	V2	130	750°C noflame		
		RS5202QZ	PA66	V0	140	750°C noflame		
		RS5202R	PA66	V2	130	---	---	2.000
		RS5202RV0	PA66	V0	140	---		
		RS5202RH	PA6	V2	130	750°C noflame		
		RS5202RZ	PA66	V0	140	750°C noflame		
		RS5202S	PA66	V2	130	---	---	2.000
		RS5202SV0	PA66	V0	140	---		
		RS5202SH	PA6	V2	130	750°C noflame		
		RS5202SZ	PA66	V0	140	750°C noflame		
		RS5202X	PA66	V2	130	---	---	2.000
		RS5202XV0	PA66	V0	140	---		
		RS5202XH	PA6	V2	130	750°C noflame		
		RS5202XZ	PA66	V0	140	750°C noflame		
		**RS5203A**	PA66	V2	130	---	---	2.000
		RS5203AV0	PA66	V0	140	---		
		RS5203AH	PA6	V2	130	750°C noflame		
		RS5203AZ	PA66	V0	140	750°C noflame		
		**RS5203B**	PA66	V2	130	---	---	2.000
		RS5203BV0	PA66	V0	140	---		
		RS5203BH	PA6	V2	130	750°C noflame		
		RS5203BZ	PA66	V0	140	750°C noflame		
		**RS5203C**	PA66	V2	130	---	---	2.000
		RS5203CV0	PA66	V0	140	---		
		RS5203CH	PA6	V2	130	750°C noflame		
		RS5203CZ	PA66	V0	140	750°C noflame		
		**RS5203D**	PA66	V2	130	---	---	2.000
		RS5203DV0	PA66	V0	140	---		
		RS5203DH	PA6	V2	130	750°C noflame		
		RS5203DZ	PA66	V0	140	750°C noflame		
		**RS5203E**	PA66	V2	130	---	---	2.000
		RS5203EV0	PA66	V0	140	---		
		RS5203EH	PA6	V2	130	750°C noflame		
		RS5203EZ	PA66	V0	140	750°C noflame		

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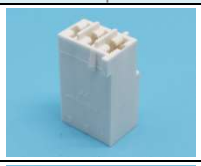
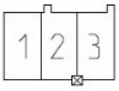
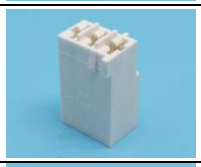
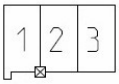
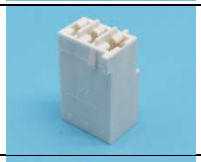
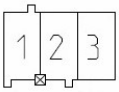
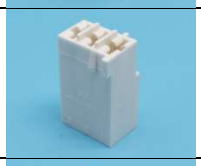
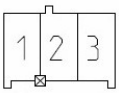
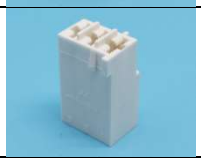
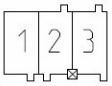
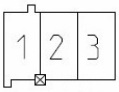
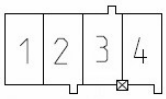
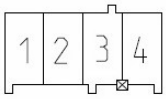
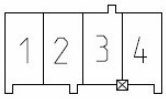
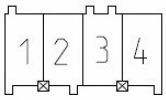
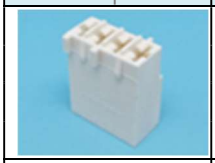
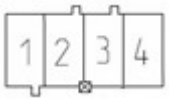
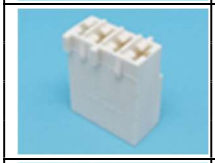
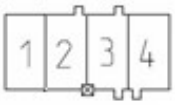
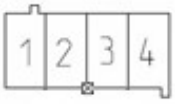
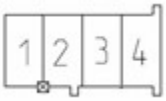
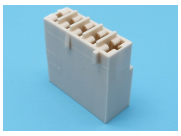
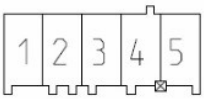
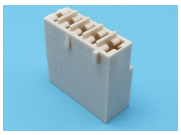
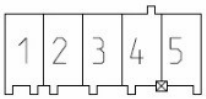
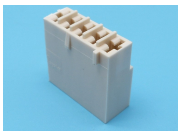
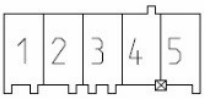
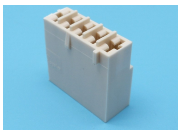
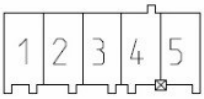
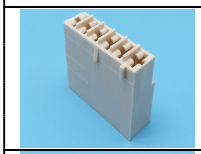
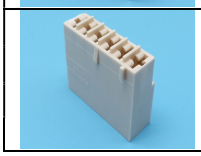
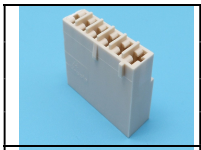
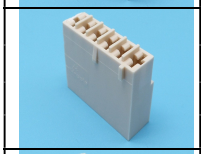
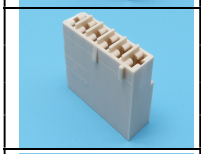
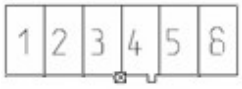
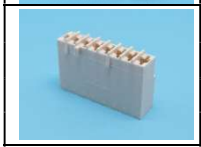
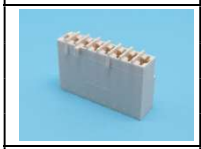
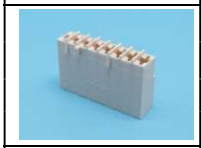
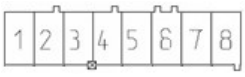
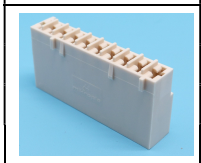
THE FASTEST WAY TO CONNECT

DESCRIZIONE Description	n. vie n.circuit	CODICE Code	MATERIALE Material	RATING			CERTIFICATI Approvals	CONF.NE Package
				UL94	RTI	GWT		
		**RS5203F**	PA66	V2	130	---	---	2.000
		RS5203FV0	PA66	V0	140	---		
		RS5203FH	PA6	V2	130	750°C noflame		
		RS5203FZ	PA66	V0	140	750°C noflame		
		**RS5203G**	PA66	V2	130	---	---	2.000
		RS5203GV0	PA66	V0	140	---		
		RS5203GH	PA6	V2	130	750°C noflame		
		RS5203GZ	PA66	V0	140	750°C noflame		
		**RS5203L**	PA66	V2	130	---	---	2.000
		RS5203LV0	PA66	V0	140	---		
		RS5203LH	PA6	V2	130	750°C noflame		
		RS5203LZ	PA66	V0	140	750°C noflame		
		**RS5203M**	PA66	V2	130	---	---	2.000
		RS5203MV0	PA66	V0	140	---		
		RS5203MH	PA6	V2	130	750°C noflame		
		RS5203MZ	PA66	V0	140	750°C noflame		
		**RS5203N**	PA66	V2	130	---	---	2.000
		RS5203NV0	PA66	V0	140	---		
		RS5203NH	PA6	V2	130	750°C noflame		
		RS5203NZ	PA66	V0	140	750°C noflame		
		**RS5203P**	PA66	V2	130	---	---	2.000
		RS5203PV0	PA66	V0	140	---		
		RS5203PH	PA6	V2	130	750°C noflame		
		RS5203PZ	PA66	V0	140	750°C noflame		
		**RS5203Q**	PA66	V2	130	---	---	2.000
		RS5203QV0	PA66	V0	140	---		
		RS5203QH	PA6	V2	130	750°C noflame		
		RS5203QZ	PA66	V0	140	750°C noflame		
		**RS5204A**	PA66	V2	130	---	---	2.500
		RS5204AV0	PA66	V0	140	---		
		RS5204AH	PA6	V2	130	750°C noflame		
		RS5204AZ	PA66	V0	140	750°C noflame		
		**RS5204B**	PA66	V2	130	---	---	2.500
		RS5204BV0	PA66	V0	140	---		
		RS52004BH	PA6	V2	130	750°C noflame		
		RS5004BZ	PA66	V0	140	750°C noflame		
		**RS5204C**	PA66	V2	130	---	---	2.500
		RS5204CV0	PA66	V0	140	---		
		RS5204CH	PA6	V2	130	750°C noflame		
		RS5204CZ	PA66	V0	140	750°C noflame		
		**RS5204D**	PA66	V2	130	---	---	2.500
		RS5204DV0	PA66	V0	140	---		
		RS5204DH	PA6	V2	130	750°C noflame		
		RS5204DZ	PA66	V0	140	750°C noflame		

DESCRIZIONE Description	n. vie n.circuit	CODICE Code	MATERIALE Material	RATING			CERTIFICATI Approvals	CONF.NE Package
				UL94	RTI	GWT		
		**RS5204L**	PA66	V2	130	---	---	2.500
		RS5204LV0	PA66	V0	140	---		
		RS5204LH	PA6	V2	130	750°C noflame		
		RS5204LZ	PA66	V0	140	750°C noflame		
		**RS5204M**	PA66	V2	130	---	---	2.500
		RS5204MV0	PA66	V0	140	---		
		RS5204MH	PA6	V2	130	750°C noflame		
		RS5204MZ	PA66	V0	140	750°C noflame		
		RS5204N	PA66	V2	130	---	---	2.500
		RS5204NV0	PA66	V0	140	---		
		RS5204NH	PA6	V2	130	750°C noflame		
		RS5204NZ	PA66	V0	140	750°C noflame		
		**RS5204P**	PA66	V2	130	---	---	2.500
		RS5204PV0	PA66	V0	140	---		
		RS5204PH	PA6	V2	130	750°C noflame		
		RS5204PZ	PA66	V0	140	750°C noflame		
		**RS5204Q**	PA66	V2	130	---	---	2.500
		RS5204QV0	PA66	V0	140	---		
		RS5204QH	PA6	V2	130	750°C noflame		
		RS5204QZ	PA66	V0	140	750°C noflame		
		**RS5205A**	PA66	V2	130	---	---	2.500
		RS5205AV0	PA66	V0	140	---		
		RS5205AH	PA6	V2	130	750°C noflame		
		RS5205AZ	PA66	V0	140	750°C noflame		
		**RS5205B**	PA66	V2	130	---	---	2.500
		RS5205BV0	PA66	V0	140	---		
		RS5205BH	PA6	V2	130	750°C noflame		
		RS5205BZ	PA66	V0	140	750°C noflame		
		**RS5205C**	PA66	V2	130	---	---	2.500
		RS5205CV0	PA66	V0	140	---		
		RS5205CH	PA6	V2	130	750°C noflame		
		RS5205CZ	PA66	V0	140	750°C noflame		
		**RS5205D**	PA66	V2	130	---	---	2.500
		RS5205DV0	PA66	V0	140	---		
		RS5205DH	PA6	V2	130	750°C noflame		
		RS5205DZ	PA66	V0	140	750°C noflame		
		**RS5206G**	PA66	V2	130	---	---	2.500
		RS5206GV0	PA66	V0	140	---		
		RS5206GH	PA6	V2	130	750°C noflame		
		RS5206GZ	PA66	V0	140	750°C noflame		
		**RS5206L**	PA66	V2	130	---	---	2.500
		RS5206LV0	PA66	V0	140	---		
		RS5206LZ	PA6	V2	130	750°C noflame		
		RS5206LZ	PA66	V0	140	750°C noflame		

DESCRIZIONE Description	n. vie n.circuit	CODICE Code	MATERIALE Material	RATING			CERTIFICATI Approvals	CONF.NE Package
				UL94	RTI	GWT		
		**RS5206M**	PA66	V2	130	---	---	2.500
		RS5206MV0	PA66	V0	140	---		
		RS5206MH	PA6	V2	130	750°C noflame		
		RS5206MZ	PA66	V0	140	750°C noflame		
		**RS5206N**	PA66	V2	130	---	---	2.500
		RS5206NV0	PA66	V0	140	---		
		RS5206NH	PA6	V2	130	750°C noflame		
		RS5206NZ	PA66	V0	140	750°C noflame		
		**RS5206P**	PA66	V2	130	---	---	2.500
		RS5206PV0	PA66	V0	140	---		
		RS5206PH	PA6	V2	130	750°C noflame		
		RS5206PZ	PA66	V0	140	750°C noflame		
		**RS5207A**	PA66	V2	130	---	---	2.500
		RS5207AV0	PA66	V0	140	---		
		RS5207AH	PA6	V2	130	750°C noflame		
		RS5207AZ	PA66	V0	140	750°C noflame		
		**RS5208A**	PA66	V2	130	---	---	1.500
		RS5208AV0	PA66	V0	140	---		
		RS5208AH	PA6	V2	130	750°C noflame		
		RS5208AZ	PA66	V0	140	750°C noflame		
		RS5208B	PA66	V2	130	---	---	1.500
		RS5208BV0	PA66	V0	140	---		
		RS5208BH	PA6	V2	130	750°C noflame		
		RS5208BZ	PA66	V0	140	750°C noflame		
		**RS5208C**	PA66	V2	130	---	---	1.500
		RS5208CV0	PA66	V0	140	---		
		RS5208CH	PA6	V2	130	750°C noflame		
		RS5208CZ	PA66	V0	140	750°C noflame		
		RS5209A	PA66	V2	130	---	---	1.000
		RS5209AV0	PA66	V0	140	---		
		RS5209AH	PA6	V2	130	750°C noflame		
		RS5209AZ	PA66	V0	140	750°C noflame		
		RS5210A	PA66	V2	130	---	---	1.000
		RS5210AV0	PA66	V0	140	---		
		RS5210AH	PA6	V2	130	750°C noflame		
		RS5210AZ	PA66	V0	140	750°C noflame		
		RS5210B	PA66	V2	130	---	---	1.000
		RS5210BV0	PA66	V0	140	---		
		RS5210BH	PA6	V2	130	750°C noflame		
		RS5210BZ	PA66	V0	140	750°C noflame		
		**RS5212A**	PA66	V2	130	---	---	1.000
		RS5212AV0	PA66	V0	140	---		
		RS5212AH	PA6	V2	130	750°C noflame		
		RS5212AZ	PA66	V0	140	750°C noflame		

TERMINALI / Terminals

DESCRIZIONE Description	PASSO Pitch	CODICE Code	Sezione/wire section mm²	 AWG	MATERIALE Material	TRATTAMENTO Treatment	CERTIFICATI Approvals	CONF.NE Package
	15,9mm	**TK638242**	0,50-1,0	20-18	Ottone Brass	Stagnato Tin plated	---	5 x 2.500
		TK638442	0,50-1,5	20-16				5 x 1.500
		TK638542	1,00-2,50	18-14				5 x 2.000

CONNESSIONE CON GANCIO INTERNO / Connectors with interior lock

DESCRIZIONE Description	n. vie n.circuit	CODICE Code	MATERIALE Material	RATING UL94	 RTI	 GWT	CERTIFICATI Approvals	CONF.NE Package
		RS5302A	PA66	V2	130	---	---	2.000
		RS5302AV0	PA66	V0	140	---		
		RS5302AH	PA6	V2	130	750°C noflame		
		RS5302AZ	PA66	V0	140	750°C noflame		
		RS5302B	PA66	V2	130	---	---	2.000
		RS5302BV0	PA66	V0	140	---		
		RS5302BH	PA6	V2	130	750°C noflame		
		RS5302BZ	PA66	V0	140	750°C noflame		
		RS5302C	PA66	V2	130	---	---	2.000
		RS5302CV0	PA66	V0	140	---		
		RS5302CH	PA6	V2	130	750°C noflame		
		RS5302CZ	PA66	V0	140	750°C noflame		
		RS5302D	PA66	V2	130	---	---	2.000
		RS5302DV0	PA66	V0	140	---		
		RS5302DH	PA6	V2	130	750°C noflame		
		RS5302DZ	PA66	V0	140	750°C noflame		
		RS5302E	PA66	V2	130	---	---	2.000
		RS5302EV0	PA66	V0	140	---		
		RS5302EH	PA6	V2	130	750°C noflame		
		RS5302EZ	PA66	V0	140	750°C noflame		
		RS5302F	PA66	V2	130	---	---	2.000
		RS5302FV0	PA66	V0	140	---		
		RS5302FH	PA6	V2	130	750°C noflame		
		RS5302FZ	PA66	V0	140	750°C noflame		
		RS5302G	PA66	V2	130	---	---	2.000
		RS5302GV0	PA66	V0	140	---		
		RS5302GH	PA6	V2	130	750°C noflame		
		RS5302GZ	PA66	V0	140	750°C noflame		
		RS5302L	PA66	V2	130	---	---	2.000
		RS5302LV0	PA66	V0	140	---		
		RS5302LH	PA6	V2	130	750°C noflame		
		RS5302LZ	PA66	V0	140	750°C noflame		

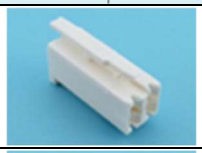
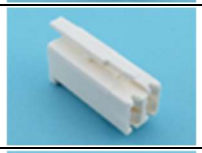
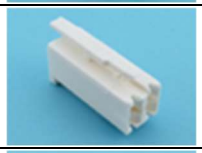
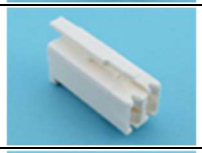
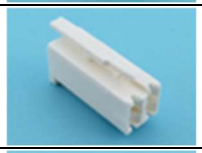
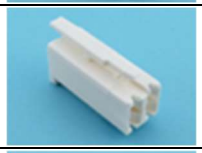
DESCRIZIONE Description	n. vie n.circuit	CODICE Code	MATERIALE Material	RATING UL94	 RTI	 GWT	CERTIFICATI Approvals	CONF.NE Package

		RS5302M	PA66	V2	130	---	---	2.000
		RS5302MV0	PA66	V0	140	---		
		RS5302MH	PA6	V2	130	750°C noflame		
		RS5302MZ	PA66	V0	140	750°C noflame		
		RS5302N	PA66	V2	130	---	---	2.000
		RS5302NV0	PA66	V0	140	---		
		RS5302NH	PA6	V2	130	750°C noflame		
		RS5302NZ	PA66	V0	140	750°C noflame		
		RS5302P	PA66	V2	130	---	---	2.000
		RS5302PV0	PA66	V0	140	---		
		RS5302PH	PA6	V2	130	750°C noflame		
		RS5302PZ	PA66	V0	140	750°C noflame		
		RS5302Q	PA66	V2	130	---	---	2.000
		RS5302QV0	PA66	V0	140	---		
		RS5302QH	PA6	V2	130	750°C noflame		
		RS5302QZ	PA66	V0	140	750°C noflame		
		RS5302R	PA66	V2	130	---	---	2.000
		RS5302RV0	PA66	V0	140	---		
		RS5302RH	PA6	V2	130	750°C noflame		
		RS5302RZ	PA66	V0	140	750°C noflame		
		RS5302S	PA66	V2	130	---	---	2.000
		RS5302SV0	PA66	V0	140	---		
		RS5302SH	PA6	V2	130	750°C noflame		
		RS5302SZ	PA66	V0	140	750°C noflame		

TERMINALI / Terminals

DESCRIZIONE Description	PASSO Pitch	CODICE Code	Sezione/wire section mm²	 AWG	MATERIALE Material	TRATTAMENTO Treatment	CERTIFICATI Approvals	CONF.NE Package
	15,9mm	**TK638242**	0,50-1,0	20-18	Ottone Brass	Stagnato Tin plated	---	5 x 2.500
		TK638442	0,50-1,5	20-16				5 x 1.500
		TK638542	1,00-2,50	18-14				5 x 2.000

CONNESSIONE CON GANCIO ESTERNO / Connectors with exterior lock

DESCRIZIONE Description	n. vie n.circuit	CODICE Code	MATERIALE Material	RATING UL94	 RTI	 GWT	CERTIFICATI Approvals	CONF.NE Package
		**RS5402A**	PA66	V2	130	---	---	2.000
		RS5402AV0	PA66	V0	140	---		
		RS5402AH	PA6	V2	130	750°C noflame		
		RS5402AZ	PA66	V0	140	750°C noflame		
		**RS5402B**	PA66	V2	130	---	---	2.000
		RS5402BV0	PA66	V0	140	---		
		RS5402BH	PA6	V2	130	750°C noflame		
		RS5402BZ	PA66	V0	140	750°C noflame		
		**RS5402C**	PA66	V2	130	---	---	2.000
		RS5402CV0	PA66	V0	140	---		
		RS5402CH	PA6	V2	130	750°C noflame		
		RS5402CZ	PA66	V0	140	750°C noflame		
		**RS5402D**	PA66	V2	130	---	---	2.000
		RS5402DV0	PA66	V0	140	---		
		RS5402DH	PA6	V2	130	750°C noflame		
		RS5402DZ	PA66	V0	140	750°C noflame		
		**RS5402E**	PA66	V2	130	---	---	2.000
		RS5402EV0	PA66	V0	140	---		
		RS5402EH	PA6	V2	130	750°C noflame		
		RS5402EZ	PA66	V0	140	750°C noflame		
		**RS5402F**	PA66	V2	130	---	---	2.000
		RS5402FV0	PA66	V0	140	---		
		RS5402FH	PA6	V2	130	750°C noflame		
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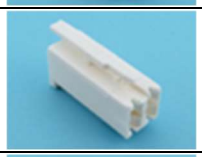		**RS5402G**	PA66	V2	130	---	---	2.000
		RS5402GV0	PA66	V0	140	---		
		RS5402GH	PA6	V2	130	750°C noflame		
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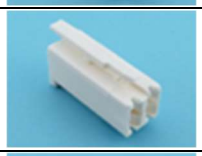
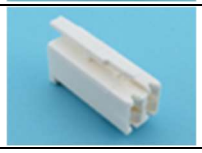
		**RS5402L**	PA66	V2	130	---	---	2.000
		RS5402LV0	PA66	V0	140	---		
		RS5402LH	PA6	V2	130	750°C noflame		
		RS5402LZ	PA66	V0	140	750°C noflame		
		**RS5402M**	PA66	V2	130	---	---	2.000
		RS5402MV0	PA66	V0	140	---		
		RS5402MH	PA6	V2	130	750°C noflame		
		RS5402MZ	PA66	V0	140	750°C noflame		