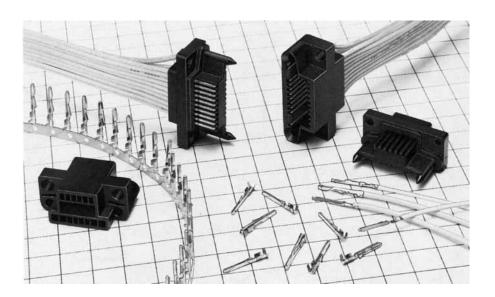
QR/P8 SERIES

Ultra-small Rectangular Multi-electrode solderless Connectors for Rack and Panel Applications

General

QR/P8 Series is a series of small connectors for rack and panel application. This is a smaller-size version of the QR/P and QR/P1 Series, whose rectangular multielectrode plug in connectors for racks and panels have been well received in the market. Three different electrode numbers are available: 8,12 and 20. Wires are connected to the connectors without solder for easier connection and higher reliability.



Features

- (1) The connector of this series is about 20% smaller in length than of the QR/P4 Series with the same number of electrodes.
- (2) Two pairs of electrodes on two sides have a pitch of 5.3 mm at the reinforcement of the housing guide pins, making the connector size smaller and enabling the connector to withstand high voltages. These electrodes therefore can be used for power supply. The terminals for signals have a pitch of 2
- (3) Wires of AWG #20 28 can be connected with the two pairs of terminals on the two sides, while wires of AWG #24 28 can be connectord with the termi-

- nals for signals.
- (4) The pins give stable contact pressure because of their point contact with the receptacle blades, and have a larger allowance for the variation of connection length - a characteristic of plug-in connectors.
- (5) The guide pins and the housing body are moulded as one piece to achieve a smaller connector size.
- (6) Since the connectors are mounted on racks or panels with stepped screws, connection and disconnection can be done easily.
- (7) The connectors of this series have passed UL, CSA and TÜV standards.

Application

PPC, Transmission and reception equipment, Data Communication, Vending Machine, Measuring Instruments, Automatic Equipment, Switchboards, etc.

Specification

Main Specifications					
Contact resistance $30 \text{m} \Omega$ or less at DC 1A					
Insulation resistance	$1000 \mathrm{M}\Omega$ or less at DC 500V				
Withstand voltage	Power supply	AC 2000V			
(for 1 min.)	Signal unit	AC 500V			

Item	Material	Finish
Insulator	Polycarbonate resin UL94V-0	Black
Contact	Phosphor Bronze	Selective Gold plated over Nickel

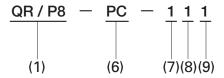
Material and Finish

QR/P8 ratings approved by safety standads					standads
Safety standard		UL, CSA		TÜV	
Operating temperature range		-10 ~+60℃			
Voltage rating Power supply Signal unit		AC 300V		AC 380V	
			AC 30V		AC 30V
	AWG#20		3A		2.5A
	AWG#22		3A		2.5A
Rated		WG#24	Power unit	2A	2.5A
current	AWG#24		Signal unit	2A	1A
	AWG#26		1A		1A
	AWG#28		1A		1A

Ordering Information

▲ Connector Unit

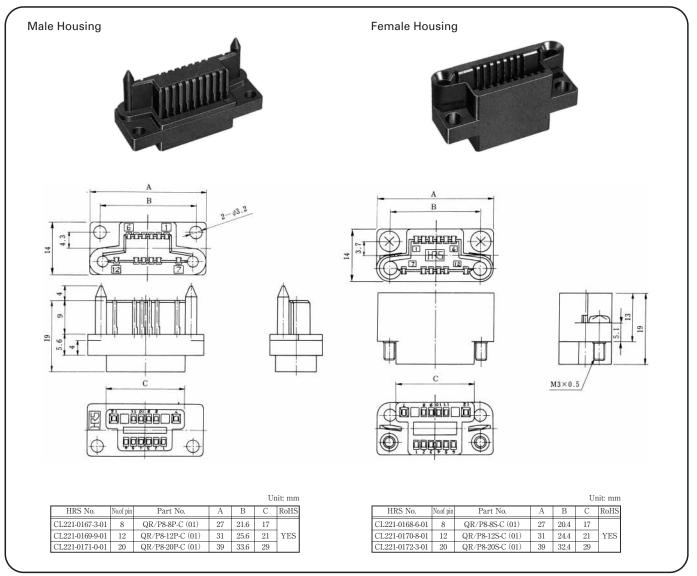
▲ Contact



- (1) Series Name
- (2) No.of Pins (8, 12, 20)
- (3) Type of Housing
 - P: Plug Housing
 - S: Socket Housing
- (4) Type of Termination
 - C: Criming
- (5) UL, CSA Approved Spec.
- (6) Type of Contact
 - PC: Pin Contact
 - SC: Socket Contact

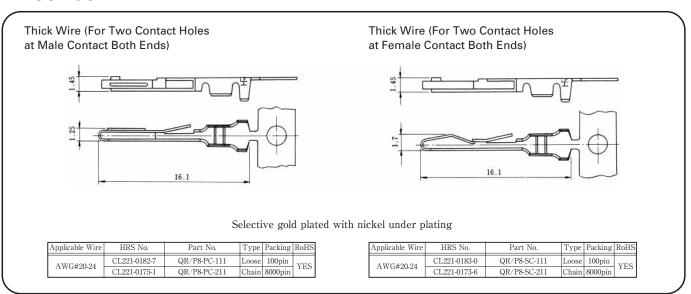
- (7) Contact Type
 - 1: Loose Contact
 - 2: Chain Contact
- (8) Applicable wire
 - 1: Thick Wire AWG #20 #24 . . . For two holes at both ends
 - 2: Thin Wire AWG #24 #28
- (9) Finish
 - 1: Selective Gold plated over Nickel

Housing

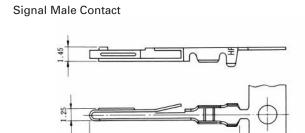


Note: Determine the combinations with the panel so that the mating clearance between the P side and S side is 1mm or less.

Contact



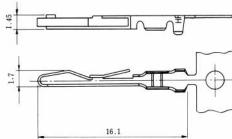
Contact



Partly gold plated over nickel plating

Applicable Wire	HRS No.	Part No.	Туре	Packing	RoHS
AWG#24-28	CL221-0184-2	QR/P8-PC-121	Loose	100pin	YES
A W G# 24-26	CL221-0176-4	QR/P8-PC-221	Chain	8000pin	1 E.S

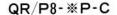
Signal Female Contact

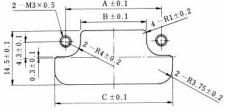


.Partly gold plated over nickel plating

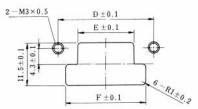
Applicable Wire	HRS No.	Part No.	Туре	Packing	RoHS
A THE C # 04 00	CL221-0185-5	QR/P8-SC-121	Loose	100pin	YES
AWG#24-28	CL221-0174-9	QR/P8-SC-221	Chain	8000pin	1 ES

Panel Cutout





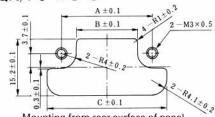
Mounting from rear surface of panel



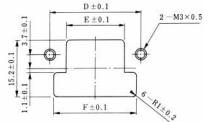
Mounting from front surface of panel

No. of pins		8pin	12pin	20pin
D	А	21.6	25.6	33.6
Rear Mounting	В	13.6	17.6	25.6
Mounting	С	27.5	31.5	39.5
Emant	D	21.6	25.6	33.6
Front Mounting	Е	11.1	15.1	23.1
Mounting	F	17.5	21.5	29.5

QR/P8- *S-C



Mounting from rear surface of panel



Mounting from front surface of panel

No. of pins		8pin	12pin	20pin
D	Α	20.4	24.4	32.4
Rear Mounting	В	12.4	16.4	24.4
	С	28.2	32.2	40.2
F4	D	20.4	24.4	32.4
Front Mounting	Е	11.6	15.6	23.6
	F	18.2	22.2	30.2

Tooling



Hand Crimp Tool



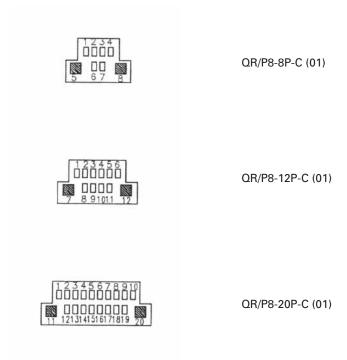
Auto Crimp Machine CM-105 CL901-0005-4

Kind	HRS No.	Part No.	Applicable Contact
	CL250-0030-4	TC-QR/P8-111	QR/P8-PC-111
Hand Crimp	CL250-0050-4	1C-QK/F6-111	QR/P8-SC-111
Tool	CL250-0031-7	CL250-0031-7 TC-QR/P8-121	QR/P8-PC-121
1001	CL230-0031-7	10-91/16-121	QR/P8-SC-121
	CL901-2533-3	AP105-QR/P8-1	QR/P8-PC-211
Auto Crimp Machine	CL901-2355-5	AF103-QR/ F6-1	QR/P8-SC-211
Applicator	CL901-2534-6 AP105-QR/P8-2	A D105 OD /D9 2	QR/P8-PC-221
ripplicator		A1 103-QIV 1 6-2	QR/P8-SC-221
Contact Extractor	CL250-0033-2	TC-QR/P8-21	

Contacts for thick wire Contact Configuration

Male Housing (Viewed from Wiring Side)

■: indicates a contact hole for thick wire





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ИНН 7805602321 КПП 780501001 P/C 40702810122510004610 ФАКБ "АБСОЛЮТ БАНК" (ЗАО) в г.Санкт-Петербурге К/С 3010181090000000703 БИК 044030703

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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