

# 2.54mm Wire to Board Crimp Contact Connectors



### UT - Type Single Row

#### Female Plug

Order Code Housing: **CRF-1xx-UT254**    Contact: **CRF-999/27-UT254-99**

#### -THT- Male Header

straight & right angle

Order Code straight: **CRS-1xx-UT254-99**    right angle: **CRR-1xx-UT254-99**

### P - Type "Friction Lock" Single Row

#### Female Plug

Order Code Housing: **CRF-1xx-P254**    Contact: **CRF-999/27-P254-99**

#### -THT- Male Header

straight & right angle

Order Code straight: **CRS-1xx-P254-99**    right angle: **CRR-1xx-P254-99**

#### -SMT- Male Header

straight

Order Code: **CRS-1xx-SP254-99/A (Tube)**    **CRS-1xx-SP254-99/B (Reel)**

### Specifications

Current rating	3 A	Voltage rating	250 V AC max.
Insulation resistance	1000 MΩ min.	Withstanding voltage	1500 V AC
Contact resistance	20 mΩ max.	Operating temperature	-25°C to +85°C
		SMT Processing temp.	+250°C for 5 sec.
		Contact material	Copper Alloy
		Insulator material	PA 66 (brown) UL 94V-0
		CRF-UT Type	PBT (brown) UL 94V-0
		CRS(R)-UT Type	PA 66 (black) UL 94V-0
		SP Type	PA 46 (white) UL 94V-0

### How to order

## CR X - x xx - X 254 - 99

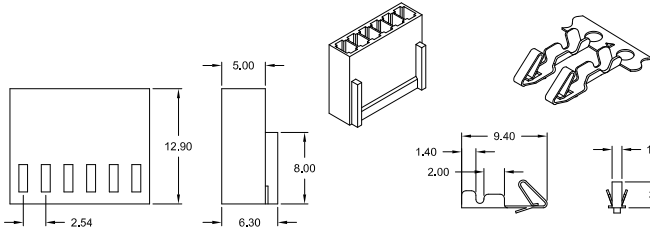
Type	Rows	Nbr of Contacts	Execution	Plating
<b>F</b> = Female <b>R</b> = R/A Male <b>S</b> = Straight Male	<b>1</b> = single row  if Crimp Contact: <b>9</b>	<b>02 - 20</b> = UT & P - Type <b>02 - 12</b> = SP - Type  if Crimp Contact: <b>99/27</b> = MOQ: 10K / reel for AWG 22~28	<b>UT</b> = Plug & THT <b>P</b> = Plug & THT <b>SP</b> = SMT  for details see above dwg's	<b>99</b> = Tin <i>(leadfree)</i>  other platings on request

# 2.54mm Wire to Board Crimp Contact Connectors



## F - Type Single Row

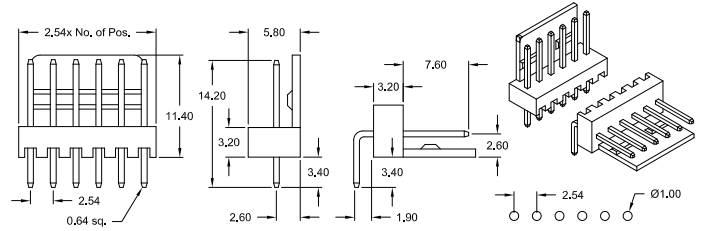
### Female Plug



Order Code Housing: CRF-1xx-F254

Contact: CRF-999/28-F254-99

### -THT- Male Header straight & right angle

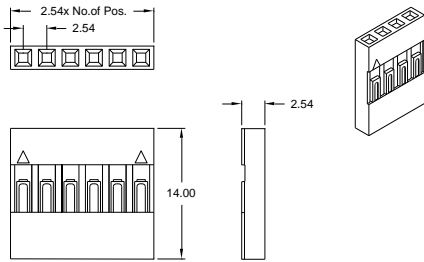


Order Code straight: CRS-1xx-F254-99

right angle: CRR-1xx-F254-99

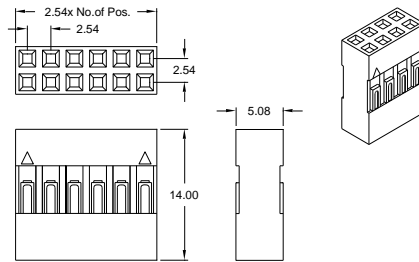
## H - Type Wire to Board Plugs mating with 2.54mm pitch Pin- / Box-Header

### single row - without bump -



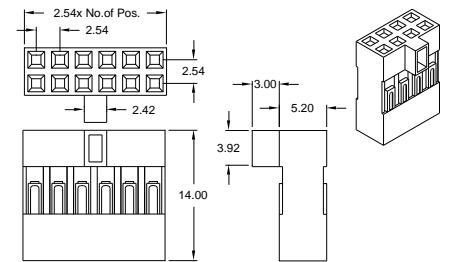
Order Code Housing: CRF-1xx-H254

### dual row - without bump -



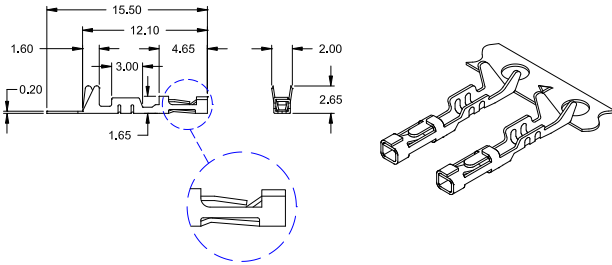
Order Code Housing: CRF-2xx-H254

### dual row - with high bump -



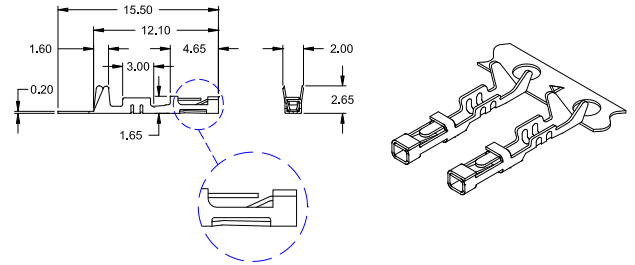
Order Code Housing: CRF-2xx-H254/HP

## Female Contact



for single row 01 ~ 19 & dual row 06 ~ 18 position

Order Code: CRF-999L/27-H254-95



for single row 20 ~ 40 & dual row 20 ~ 80 position

Order Code: CRF-999/27-H254-95

## Specifications

Current rating	3 A
Insulation resistance	1000 MΩ min.
Contact resistance	20 mΩ max.

Withstanding voltage	800 V AC
Voltage rating	250 V AC/DC
Operating temp.	-25°C to +85°C
Contact material	Copper Alloy

Insulator material	F-Type PA66 UL 94V-2
H Type 1-row: 01 - 40 Pos.	NORYL UL 94V-1
H Type 2-row: 06 - 80 Pos.	NORYL UL 94V-1

## How to order

CR X - x xx - X 254 - xx

Type	Rows	Nbr of Contacts	Execution	Plating
<b>F</b> = Female <b>R</b> = R/A Male <b>S</b> = Straight Male	<b>1</b> = single row <b>2</b> = dual row  if Crimp Contact: <b>9</b>	<b>02 - 20</b> = F - Type (except 19) <b>01 - 40</b> = H - Type - 1 row <b>04 - 80</b> = H - Type - 2 row if without bump <b>06 - 80</b> = H - Type - 2 row if with bump  if Crimp Contact: (MOQ: 10K / reel) for F - Type: <b>99/28</b> = for AWG 22~30 for H - Type: <b>99X/27</b> = for AWG 22~28	<b>F</b> = THT & Plug <b>H</b> = Plug  for details see above drawings	<b>99</b> = Tin <b>95</b> = Tin/Gold