Certificate Number UL-US-L52653-111-12114102-6

**Report Reference** E52653-20141121

Date 14-Jul-2022

Issued to: HIROSE ELECTRIC CO., LTD.

2-6-3 NAKAGAWA CHUOH

TSUZUKI-KU YOKOHAMA-SHI, KANAGAWA 224-8540

Japan

This is to certify that representative samples of

ECBT2 - Connectors for Use in Data, Signal, Control and

Power Applications - Component

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete

in certain constructional features or restricted in

performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: UL 1977, 3rd Ed., Issue Date: 2016-01-07, Revision Date:

2020-11-17

Additional Information: See the UL Online Certifications Directory at

https://iq.ulprospector.com for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.







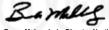
Certificate Number UL-US-L52653-111-12114102-6

**Report Reference** E52653-20141121

Date 14-Jul-2022

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
<b>Series DF63</b> , DF63-*EP-3.96C**, (where * stands for 1, 2, 3, or 4 and ** is any number from (01) thru (99) or blank.)	Component Connector, Plug type
<b>Series DF63</b> , DF63-*P-3.96DS**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63-*P-3.96DSA**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63-*S-3.96C**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Socket type
<b>Series DF63</b> , DF63-2P-7.92DS**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
Series DF63, DF63-2P-7.92DSA**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63-3P-7.92DS**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63-3P-7.92DSA**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63A-*EP-3.96C**, (where * stands for 1, 2, 3, or 4 and ** is any number from (01) thru (99) or blank.)	Component Connector, Plug type
Series DF63, DF63A-2P-3.96DSA**, DF63CA-4P-3.96DSA**, (where * stands for 1, 2, 3, or 4 and ** is any number from (01) thru (99) or blank.)	Component Connector, Plug type
<b>Series DF63</b> , DF63C-*EP-3.96C**, (where * stands for 1, 2, 3, or 4 and ** is any number from (01) thru (99) or blank.)	Component Connector, Plug type
<b>Series DF63</b> , DF63C-*P-3.96DS**, (where * stands for 1, 2, 3, or 4 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
Series DF63, DF63C-*P-3.96DSA**, (where * stands for 1, 2, 3, or 4 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type





Certificate Number UL-US-L52653-111-12114102-6

**Report Reference** E52653-20141121

<b>Series DF63</b> , DF63C-2P-7.92DS**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63C-2P-7.92DSA**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
Series DF63, DF63CA-*EP-3.96C**, (where * stands for 1, 2, 3, or 4 and ** is any number from (01) thru (99) or blank.)	Component Connector, Plug type
<b>Series DF63</b> , DF63CR-*P-3.96DS**, (where * stands for 1, 2, 3, or 4 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
Series DF63, DF63CR-*P-3.96DSA**, (where * stands for 1, 2, 3, or 4 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63CR-2P-7.92DS**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63CR-2P-7.92DSA**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63M-*EP-3.96C**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Plug type
<b>Series DF63</b> , DF63M-*P-3.96DS**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63M-*P-3.96DSA**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63M-2P-7.92DS**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63M-2P-7.92DSA**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63M-3P-7.92DS**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63M-3P-7.92DSA**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63MA-*EP-3.96C**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Plug type

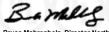




Certificate Number UL-US-L52653-111-12114102-6

**Report Reference** E52653-20141121

<b>Series DF63</b> , DF63MA-3P-7.92DSA**, (where * stands for 1, 2, 3, or 4 and ** is any number from (01) thru (99)	Component Connector, Plug type
or blank.)	
<b>Series DF63</b> , DF63MR-*P-3.96DS**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63MR-*P-3.96DSA**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
Series DF63, DF63MR-2P-7.92DS**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63MR-2P-7.92DSA**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63MR-3P-7.92DS**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63MR-3P-7.92DSA**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63R-*P-3.96DS**, (where * stands for 1, 2, 3, 4 or 5 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
Series DF63, DF63R-*P-3.96DSA**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63R-*S-3.96C**, (where * stands for 1, 2, 3, 4 or 5 and ** is any number from (01) thru (99) or blank.)	Component Connector, Socket type
Series DF63, DF63R-2P-7.92DS**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63R-2P-7.92DSA**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
Series DF63, DF63R-3P-7.92DS**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63R-3P-7.92DSA**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type





Certificate Number UL-CA-L52653-311-12114102-6

**Report Reference** E52653-20141121

Date 14-Jul-2022

Issued to: HIROSE ELECTRIC CO., LTD.

2-6-3 NAKAGAWA CHUOH

TSUZUKI-KU YOKOHAMA-SHI, KANAGAWA 224-8540

Japan

This is to certify that representative samples of

ECBT8 - Connectors for Use in Data, Signal, Control and Power Applications Certified for Canada - Component

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete

in certain constructional features or restricted in

performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: CSA C22.2 No. 182.3, 2nd Ed., Issue Date: 2016-07,

Revision Date: 2021-5

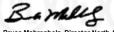
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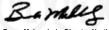
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<b>Series DF63</b> , DF63-*EP-3.96C**, (where * stands for 1, 2, 3, or 4 and ** is any number from (01) thru (99) or blank.)	Component Connector, Plug type
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<b>Series DF63</b> , DF63-*P-3.96DSA**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63-*S-3.96C**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Socket type
<b>Series DF63</b> , DF63-2P-7.92DS**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
Series DF63, DF63-2P-7.92DSA**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63-3P-7.92DS**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63-3P-7.92DSA**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63A-*EP-3.96C**, (where * stands for 1, 2, 3, or 4 and ** is any number from (01) thru (99) or blank.)	Component Connector, Plug type
Series DF63, DF63A-2P-3.96DSA**, DF63CA-4P-3.96DSA**, (where * stands for 1, 2, 3, or 4 and ** is any number from (01) thru (99) or blank.)	Component Connector, Plug type
<b>Series DF63</b> , DF63C-*EP-3.96C**, (where * stands for 1, 2, 3, or 4 and ** is any number from (01) thru (99) or blank.)	Component Connector, Plug type
<b>Series DF63</b> , DF63C-*P-3.96DS**, (where * stands for 1, 2, 3, or 4 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
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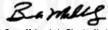




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<b>Series DF63</b> , DF63CR-2P-7.92DSA**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63M-*EP-3.96C**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Plug type
<b>Series DF63</b> , DF63M-*P-3.96DS**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63M-*P-3.96DSA**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63M-2P-7.92DS**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63M-2P-7.92DSA**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
Series DF63, DF63M-3P-7.92DS**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63M-3P-7.92DSA**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63MA-*EP-3.96C**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Plug type

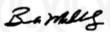




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**Report Reference** E52653-20141121

<b>Series DF63</b> , DF63MA-3P-7.92DSA**, (where * stands for 1, 2, 3, or 4 and ** is any number from (01) thru (99) or blank.)	Component Connector, Plug type
Series DF63, DF63MR-*P-3.96DS**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63MR-*P-3.96DSA**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
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<b>Series DF63</b> , DF63MR-3P-7.92DS**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63MR-3P-7.92DSA**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63R-*P-3.96DS**, (where * stands for 1, 2, 3, 4 or 5 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63R-*P-3.96DSA**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63R-*S-3.96C**, (where * stands for 1, 2, 3, 4 or 5 and ** is any number from (01) thru (99) or blank.)	Component Connector, Socket type
<b>Series DF63</b> , DF63R-2P-7.92DS**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63R-2P-7.92DŚA**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
<b>Series DF63</b> , DF63R-3P-7.92DS**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type
Series DF63, DF63R-3P-7.92DSA**, (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99) or blank.)	Component Connector, Pin header type





### File E52653 Project 4786565356

November 21, 2014

REPORT

on

COMPONENT - Connectors for Use in Data, Signal, Control and Power Applications - Component

HIROSE ELECTRIC CO LTD KANAWAGAWA, JP

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File E52653 Vol. 11 Sec. 30
                                               Page 1
                                                                    Revised: 2022-07-07
                                 and Report
DESCRIPTION
PRODUCT COVERED:
USR, CNR Component Connector, Series DF63;
Pin header type:
       Cat. Nos. DF63-*P-3.96DSA**, DF63R-*P-3.96DSA**,
       DF63M-*P-3.96DSA**, DF63MR-*P-3.96DSA**,
      DF63A-2P-3.96DSA**, DF63CA-4P-3.96DSA**,
       DF63-*P-3.96DS**,
       DF63M-*P-3.96DS**, DF63MR-*P-3.96DS**,
       DF63-2P-7.92DSA**, DF63R-2P-7.92DSA**,
       DF63-3P-7.92DSA**, DF63R-3P-7.92DSA**,
       DF63M-2P-7.92DSA**, DF63MR-2P-7.92DSA**,
       DF63M-3P-7.92DSA**, DF63MR-3P-7.92DSA**,
       DF63C-2P-7.92DSA**, DF63CR-2P-7.92DSA**,
      DF63MA-3P-7.92DSA**,
       DF63-2P-7.92DS**, DF63R-2P-7.92DS**
       DF63-3P-7.92DS**, DF63R-3P-7.92DS**,
       DF63M-2P-7.92DS**, DF63MR-2P-7.92DS**,
       DF63M-3P-7.92DS**, DF63MR-3P-7.92DS**,
       DF63C-2P-7.92DS**, DF63CR-2P-7.92DS**
              (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99)
              or blank.)
       Cat. Nos. DF63C-*P-3.96DSA**, DF63CR-*P-3.96DSA**,
       DF63C-*P-3.96DS**, DF63CR-*P-3.96DS**
              (where * stands for 1, 2, 3 or 4 and ** is any number from (01) thru (99) or
              blank.)
       Cat. No. DF63R-*P-3.96DS**
              (where * stands for 1, 2, 3, 4 or 5 and ** is any number from (01) thru (99)
              or blank.)
Socket type:
       Cat. No. DF63-*S-3.96C**
              (where * stands for 1, 2, 3, 4, 5 or 6 and ** is any number from (01) thru (99)
              or blank.)
       Cat. No. DF63R-*S-3.96C**
              (where * stands for 1, 2, 3, 4 or 5 and ** is any number from (01) thru (99)
              or blank.)
```

Issued: 2014-11-21

File E52653 Vol. 11 Sec. 30 Page 1-1 Issued: 2014-11-21 and Report Revised: 2022-07-07

#### Plug type

\* Cat. Nos. DF63C-\*EP-3.96C\*\*, DF63CA-\*EP-3.96C\*\*

(where \* stands for 1, 2, 3, or 4 and \*\* is any number from (01) thru (99) or blank.)

Cat. Nos. **DF63-\*EP-3.96C\*\***, **DF63A-\*EP-3.96C\*\***, DF63M-\*EP-3.96C\*\*, DF63MA-\*EP-3.96C\*\*

(where \* stands for 1, 2, 3, 4, 5 or 6 and \*\* is any number from (01) thru (99) or blank.)

Obsolete Products (Retained for Reference Only): Cat. No DF63R-6P-3.96DS\*\*, DF63R-6S-3.96C\*\*

Cat. Nos. DF63R-\*EP-3.96C\*\*, DF63AR-\*EP-3.96C\*\*, DF63CR-\*EP-3.96C\*\*, DF63CAR-\*EP-3.96C\*\*

(where \* stands for 1, 2, 3, or 4 and \*\* is any number from (01) thru (99) or blank.)

Cat. Nos. DF63MR-\*EP-3.96C\*\*, DF63MAR-\*EP-3.96C\*\*

(where \* stands for 1, 2, 3, 4, 5 or 6 and \*\* is any number from (01) thru (99) or blank.)

File E52653 Vol. 11 Sec. 30 Page 1-2 Issued: 2014-11-21 and Report Revised: 2022-07-07

#### GENERAL:

These devices are multi-pole connectors intended for factory assembly on copper wire sizes as indicated in Ratings table below or on PWB where the acceptability of combinations is determined by UL LLC.

 $\mbox{USR}$  - Products designated USR have been investigated using US requirements as noted in the Test Record.

 ${\tt CNR}$  - Products designated CNR have been investigated using Canadian requirements as noted in the Test Record.

#### RATINGS:

Connector Type:	Number of contacts	Wire Size (AWG) Stranded only	Voltage (ac)	Current (Amps)
Pin header DF63-*P-3.96DSA**	1		15	
DF63R-*P-3.96DSA** DF63M-*P-3.96DSA** DF63MR-*P-3.96DSA**	2	_	600	14
DF63M-*P-3.96DS** DF63MR-*P-3.96DS**	3		000	12
DF63-*P-3.96DS** DF63R-*P-3.96DS**	4 to 6			10
Pin header DF63C-*P-3.96DSA**	1			15
DF63CR-*P-3.96DSA**	2		600	14
DF63CA-*P-3.96DSA** DF63A-*P-3.96DSA**	3	_		12
DF63C-*P-3.96DS** DF63CR-*P-3.96DS**	4			10
	1	16		15
		18		13
		20		11
Socket		22		9
DF63-*S-3.96C**		16		14
DF63R-*S-3.96C**	2	18		12
71		20		10
Plug DF63-*EP-3.96C**		22	600	8
DF63A-*EP-3.96C**		16	000	12
DF63M-*EP-3.96C**	3	18		10
DF63MR-*EP-3.96C**	3	20		8
DF63MA-*EP-3.96C**		22		7
DF63MAR-*EP-3.96C**		16		10
	1 +0 6	18		8
	4 to 6	20		7
		22		6

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### RATINGS (Cont'd):

Connector Type:	Number of	Wire Size (AWG)	Voltage	Current
Connector Type:	contacts	Stranded only	(ac)	(Amps)
		16		15
	1	18		13
	1	20		11
		22		9
*D1		16		14
*Plug   DF63R-*EP-3.96C**	2	18		12
DF63AR-*EP-3.96C**		20		10
DF63C-*EP-3.96C**		22	600	8
DF63CR-*EP-3.96C**		16		12
DF63CA-*EP-3.96C**	3	18		10
DF63CAR-*EP-3.96C**		20		8
		22		7
		16		10
	4	18		8
		20		7
		22		6
Pin header DF63-2P-7.92DSA** DF63R-2P-7.92DSA** DF63M-2P-7.92DSA** DF63M-2P-7.92DSA** DF63C-2P-7.92DSA** DF63CR-2P-7.92DSA** DF63M-2P-7.92DSA** DF63M-2P-7.92DS** DF63M-2P-7.92DS** DF63CR-2P-7.92DS** DF63CR-2P-7.92DS** DF63CR-2P-7.92DS** DF63CR-2P-7.92DS** DF63-2P-7.92DS**	2	ı	600	15
Pin header DF63-3P-7.92DSA** DF63R-3P-7.92DSA** DF63M-3P-7.92DSA** DF63MR-3P-7.92DSA** DF63-3P-7.92DS** DF63R-3P-7.92DS** DF63M-3P-7.92DS** DF63M-3P-7.92DS** DF63MA-3P-7.92DS**	3	<del>-</del>	600	12

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#### Nomenclature:

Pin header connector

Example: DF63MR-5P-3.96DSA\*\*(zz)

DF	63	MR	-	5	Р	_	3.96	DSA	**
1	2	3		4	5		6	7	8

1 and 2: Series name

3. Polarity -

None: Standard type; R: having different key M: Low insertion force type; C: High click feeling type A: Without guide post type

\*Or combination of the above letter R, M, C and A

- 4. Number of pole: 1, 2, 3, 4, 5 or 6
- 5. P: Pin header
- 6. Pitch: 3.96 mm or 7.92 mm
- 7. Type of connection DSA: DIP Straight type; DS: DIP Right angle type
- 8. Customer specification (body color, contact plating or packaging) Blank or two digits 01 thru 99.

Socket connector

Example: DF63R-5S-3.96C\*\*(zz)

DF	63	R	-	5	S	-	3.96	С	**
1	2	3		4	5		6	7	8

1 and 2: Series name

3. Polarity -

None: Standard type; R: having different key

- 4. Number of pole: 1, 2, 3, 4, 5 or 6
- 5. S: Socket
- 6. Pitch: 3.96 mm
- 7. Type of connection C: Crimping
- 8. Customer specification (body color, contact plating or packaging) Blank or two digits 01 thru 99.

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Plug type connector

Example: DF63CAR-4EP-3.96C\*\*(zz)

DF	63	CAR	_	4	EP	-	3.96	С	**
1	2	3		4	5		6	7	8

1 and 2: Series name

3. Polarity -

None: Panel rock type; R: having different key of Panel rock type;

A: Standard type;

M: Low insertion type (see ILL 16 for more details);

C: High click feeling type ((see ILL 16 for more details)

Or combination of the above letter R, A, M, and C

- 4. Number of pole: 1, 2, 3, 4, 5 or 6
- 5. EP:In-line plug
- 6. Pitch: 3.96 mm
- 7. Type of connection C: Crimping
- 8. Customer specification (body color, contact plating or packaging) Blank or two digits 01 thru 99.

Crimp contact

DF 63# - 1618 SCF A \*\*

123 4 5 67

1 and 2: Series name

3. Form type -

None: Standard type;

A: Low insertion and withdrawal

4. applicable wire size

1618 - 16 AWG to 18 AWG

2022 - 20 AWG to 22 AWG

5. contact type and package presentation

SCF - socket contact, reel pack

SC - socket contact, jumble pack

PCF - plug contact, reel pack

PC - plug contact, jumble pack

6. contact plating

A - gold plating

None - tin plating

7. Customer specification (body color, contact plating or packaging) Blank or two digits 01 thru 99.

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### TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Use - For use only in or with complete equipment where the acceptability of the combination is determined by UL LLC.

Conditions of Acceptability - The following are among the considerations to be made when evaluating the device in the end-use product.

### Interruption of Current

1. These devices are not suitable for interrupting the flow of current by connecting or disconnecting the mating connector.

\*

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### Current-Carrying Capability and Current Ratings

2. These devices have been subjected to the Temperature test with the rated currents and maximum temperature values tabulated below.

Below models were tested to represent all other models in this section.

Cat. No.	Number of	Wire	Current,	Maximum
out. No.	contacts	Size	A A	Temperature
		(AWG)		°C at 25°C
				ambient
DF63-2P-7.92DSA	2	16	15	54.9
DF63-3S-3.96C	3	16	15	48.4
DF63-2P-7.92DSA	2	18	13	52.1
DF63-3S-3.96C	3	18	13	49.8
DF63-1P-3.96DSA	1	16	15	52.7
DF63-1P-3.96DSA	1	18	13	46.5
DF63-1S-3.96C	1	16	15	49.3
DF63-1S-3.96C	1	18	13	44.8
DF63-2P-3.96DSA	2	16	14	48.8
DF63-2P-3.96DSA	2	18	12	47.8
DF63-2S-3.96C	2	16	14	45.2
DF63-2S-3.96C	2	18	12	45.1
DF63-6P-3.96DSA	6	16	10	44.0
DF63-6P-3.96DSA	6	18	8	39.9
DF63-6S-3.96C	6	16	10	41.5
DF63-6S-3.96C	6	18	8	38.2
DF63-3P-3.96DSA	3	16	12	45.5
DF63-3P-3.96DSA	3	18	10	44.9
DF63-3S-3.96C	3	16	12	41.8
DF63-3S-3.96C	3	18	10	44.2
Pin Header Cat. No. DF63-1P-3.96DSA** mated with Socket	1	20	11	47.5
Connector Cat. No. DF63-1S-3.96C**				
Pin Header Cat. No. DF63-1P-3.96DSA** mated with Socket	1	22	9	46.1
Connector Cat. No. DF63-1S-3.96C**				
Pin Header Cat. No. DF63-2P-3.96DSA** mated with Socket	2	20	10	45.3
Connector Cat. No. DF63-2S-3.96C**				
Pin Header Cat. No. DF63-2P-3.96DSA** mated with Socket Connector Cat. No. DF63-2S-3.96C**	2	22	8	41.4
Pin Header Cat. No. DF63-3P-3.96DSA** mated with Socket	3	20	8	43.0
Connector Cat. No. DF63-3S-3.96C**				
Pin Header Cat. No. DF63-3P-3.96DSA** mated with Socket	3	22	7	43.1
Connector Cat. No. DF63-3S-3.96C**				
Pin Header Cat. No. DF63-6P-3.96DSA** mated with Socket	6	20	7	41.3
Connector Cat. No. DF63-6S-3.96C**				
Pin Header Cat. No. DF63-6P-3.96DSA** mated with Socket	6	22	6	42.0
Connector Cat. No. DF63-6S-3.96C**				
*Pin Header Cat. No. DF63-2P-7.92DSA** mated with Socket	2	20	11	50.6
Connector Cat. No. DF63-3S-3.96C**				
*Pin Header Cat. No. DF63-2P-7.92DSA** mated with Socket Connector Cat. No. DF63-3S-3.96C**	2	22	9	45.8
Pin Header Cat. No. DF63-3P-7.92DSA ** mated with Socket Connector Cat. No. DF63-5S-3.96C**	3	18	11	46.2
Pin Header Cat. No. DF63-3P-7.92DSA ** mated with Socket	3	20	9	45.8
Connector Cat. No. DF63-5S-3.96C**		20		43.0
Pin Header Cat. No. DF63-3P-7.92DSA ** mated with Socket	3	22	8	28.6
Connector Cat. No. DF63-5S-3.96C**				
	-			·

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Cat. No.	Number of	Wire	Current,	Maximum
	contacts	Size	A	Temperature
		(AWG)		°C at 25°C
				ambient
Plug Cat. No. DF63-2EP-3.96C** mated with Socket Connector	2	16	14	49.9
Cat. No. DF63-2S-3.96C**				
Plug Cat. No. DF63-2EP-3.96C** mated with Socket Connector	2	18	12	49.3
Cat. No. DF63-2S-3.96C**				
Plug Cat. No. DF63-2EP-3.96C** mated with Socket Connector	2	20	10	54.4
Cat. No. DF63-2S-3.96C**				
Plug Cat. No. DF63-2EP-3.96C** mated with Socket Connector	2	22	8	49.5
Cat. No. DF63-2S-3.96C**				
Plug Cat. No. DF63-2EP-3.96C** mated with Socket Connector	3	16	12	47.7
Cat. No. DF63-3S-3.96C**				
Plug Cat. No. DF63-3EP-3.96C** mated with Socket Connector	3	18	10	45.4
Cat. No. DF63-3S-3.96C**				
Plug Cat. No. DF63-3EP-3.96C** mated with Socket Connector	3	20	8	47.2
Cat. No. DF63-3S-3.96C**				
Plug Cat. No. DF63-3EP-3.96C** mated with Socket Connector	3	22	7	49
Cat. No. DF63-3S-3.96C**				