

PRODUCT NUMBER  
10080598-XXXXXXXXLF

BASE NUMBER      DASH NUMBER  
10080598 - XXXXXXXLF

LEAD FREE (SEE NOTE 9)  
NEXT AVAILABLE NUMBER  
SEE NOTE 2

**SIGNAL WIRE SIZE**

|    |                 |
|----|-----------------|
| A: | 22 AWG          |
| B: | 24 AWG          |
| C: | 26 AWG          |
| D: | NONE            |
| E: | MULTI NOTE 3, 5 |

COLOR: GREEN, UNLESS OTHERWISE SPECIFIED

**POWER WIRE SIZE**

| CONFIGURATION | WIRE SIZE  | NOTES             |
|---------------|------------|-------------------|
| A:            | ALL POWER  | 4mm <sup>2</sup>  |
| B:            | P+S+P      | 4mm <sup>2</sup>  |
| C:            | P+S        | 4mm <sup>2</sup>  |
| D:            | S+P        | 4mm <sup>2</sup>  |
| E:            | ALL POWER  | 6mm <sup>2</sup>  |
| F:            | P+S+P      | 6mm <sup>2</sup>  |
| G:            | P+S        | 6mm <sup>2</sup>  |
| H:            | S+P        | 6mm <sup>2</sup>  |
| J:            | ALL POWER  | 10mm <sup>2</sup> |
| K:            | P+S+P      | 10mm <sup>2</sup> |
| L:            | P+S        | 10mm <sup>2</sup> |
| M:            | S+P        | 10mm <sup>2</sup> |
| N:            | ALL SIGNAL |                   |

COLOR: BLACK, UNLESS OTHERWISE SPECIFIED

**STYLE**

**TERMINATION**

|    |  |                                |
|----|--|--------------------------------|
| 1: | STR SINGLE ENDED                         | BLUNT CUT CABLES<br>SEE NOTE 7 |
| 2: | STR SINGLE ENDED                         | YES-SEE NOTE 8                 |
| 3: | STR DOUBLE ENDED                         | P2 CONNECTOR<br>IS DEFINED     |
| 4: | PANEL MOUNT SINGLE ENDED                 | BLUNT CUT CABLES<br>SEE NOTE 7 |
| 5: | PANEL MOUNT SINGLE ENDED                 | YES-SEE NOTE 8                 |
| 6: | PANEL MOUNT DOUBLE ENDED                 | P2 CONNECTOR<br>IS DEFINED     |
| 7: | PI:PANEL MOUNT/P2:STR DOUBLE ENDED       | P2 CONNECTOR<br>IS DEFINED     |
| 8: | PI:STR/P2:PANEL MOUNT DOUBLE ENDED       | P2 CONNECTOR<br>IS DEFINED     |
| A: | LATCH EAR SINGLE ENDED                   | BLUNT CUT CABLES<br>SEE NOTE 7 |
| B: | LATCH EAR SINGLE ENDED                   | YES-SEE NOTE 8                 |
| C: | LATCH EAR DOUBLE ENDED                   | P2 CONNECTOR<br>IS DEFINED     |
| D: | PI:PANEL MOUNT/P2:LATCH EAR DOUBLE ENDED | P2 CONNECTOR<br>IS DEFINED     |
| E: | PI:LATCH EAR/P2:PANEL MOUNT DOUBLE ENDED | P2 CONNECTOR<br>IS DEFINED     |
| F: | PI:STR/P2:LATCH EAR DOUBLE ENDED         | P2 CONNECTOR<br>IS DEFINED     |
| G: | PI:LATCH EAR/P2:STR DOUBLE ENDED         | P2 CONNECTOR<br>IS DEFINED     |

NOTES:

- PwrBlade CABLE ASSEMBLY OFFERING FOR ASSEMBLIES WITH mm<sup>2</sup> CABLES:  
10080598- XXXXXXXLF = WITH mm<sup>2</sup> CABLES  
CUSTOMER REQUIREMENTS LIST (E-3610) MUST BE FILLED OUT FOR EACH  
PART NUMBER REQUEST.  
SIGNAL WIRES ARE ALL THE SAME SIZE, IF REQUIRED.
- NEXT AVAILABLE DASH NUMBER WILL BE DEFINED BY FCI.
- CABLE LENGTHS, WIRE COLORS AND POWER PITCH ARE TO BE DEFINED  
ON ASSEMBLY DRAWINGS FOR THE ASSIGNED PART NUMBERS.  
THE DRAWING WILL ALSO DEFINE SPECIAL MATING CONDITIONS 2.34.  
THE DRAWING WILL ALSO DEFINE LOAD PATTERN AND ANY OMITTED CONTACTS.
- FMLB (FIRST MATE, LAST BREAK) FOR POWER CONTACTS  
ARE ALWAYS DEFINED ON RECEPTACLES.  
  
FMLB (FIRST MATE, LAST BREAK) OPTIONS FOR SIGNAL CONTACTS  
ARE ALWAYS DEFINED ON MATING HEADERS.
- NON- STANDARD OPTIONS ARE DEFINED AS SUCH:  
- NOT FULLY LOADED SIGNAL CONTACTS OR NOT FULLY LOADED POWER CONTACTS  
- PITCH IS NOT THE STANDARD PITCH OF .250 FOR POWER CONTACTS  
- THE COLOR OF THE POWER WIRES ARE NOT BLACK  
- THE COLOR OF THE SIGNAL WIRES ARE NOT GREEN  
- FMLB (FIRST MATE, LAST BREAK) IS REQUESTED  
- PANEL MOUNT WITHOUT GUIDES HAS BEEN REQUESTED  
- PITCH IS VARIED ON POWER CONTACTS  
- POWER WIRES OF VARIED GAGES ARE REQUIRED.  
- POWER WIRES AND OR SIGNAL WIRES OF VARIED COLORS ARE REQUIRED.
- CONNECTOR LENGTH SHALL NOT EXCEED 155.00 mm MAX.
- TYPE OF TERMINATION MUST BE SPECIFIED BY CUSTOMER, EXAMPLE "LUGS".  
CUSTOMER DRAWING. STANDARD OFFERING IS BLUNT CUT CABLES.
- TERMINATION OF WIRES ON SINGLE ENDED ASSEMBLIES SHALL BE DEFINED  
ON ASSEMBLY DRAWING. TERMINATION TYPES SHALL ALSO BE SPECIFIED ON THE  
CRL E-3610. TERMINATION TYPES MAY BE DEFINED AS LUGS, RINGS OR AS  
SPECIFIED BY CUSTOMER.
- LEAD FREE PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY  
REGULATIONS AS DESCRIBED IN GS-22-008.

|  |           |   |                |              |              |
|--|-----------|---|----------------|--------------|--------------|
| www.fciconnect.com                                 |           | surface <input checked="" type="checkbox"/> | tolerance std  | projection   | MM           |
|  |           | TOLERANCES UNLESS OTHERWISE SPECIFIED       |                |              |              |
| Dr   | D. INGRAM | 2008-07-07                                  | ANGULAR        | 0.X          | ±            |
| Eng  | C. GROSS  | 2008-07-07                                  | LINEAR         | 0.XX         | ±            |
| Chr  | C. GROSS  | 2008-07-07                                  | 0° ±°          | 0.XXX        | ±            |
| Appr   | C. GROSS  | 2008-07-07                                  | Product family |              | ECN V09-0582 |
|  |           |   |                | size A4      | Scale -      |
|  |           |   |                | Spec ref     |              |
| FCI PART NUMBER SCHEME WITH MM <sup>2</sup> CABLES |           | dwg no                                      |                | 10080598     | Rev. C       |
| PwrBlade RECEPTACLE CABEL ASSEMBLIES               |           | CUSTOMER                                    |                | sheet 1 of 1 |              |

| rev | ecn no   | dr  | date       |
|-----|----------|-----|------------|
| A   | V08-0305 | DAI | 2008-07-07 |
| B   | V08-0327 | DAI | 2008-07-16 |
| C   | V09-0582 | DAI | 2010-02-12 |
| -   | -        | -   | -          |
| -   | -        | -   | -          |
| -   | -        | -   | -          |
| -   | -        | -   | -          |

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