



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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PRODUCT NUMBER
10080591-XXXXXXXXLF

NOTES:

- STANDARD OFFERING:
10080591 = STR OR PANEL MOUNT/SINGLE ENDED (NO WIRE TERMINATION REQUIRED)
CUSTOMER REQUIREMENTS LIST (E-3610) MUST BE FILLED OUT FOR EACH PART NUMBER REQUEST.
- NEXT AVAILABLE DASH NUMBER WILL BE DEFINED BY FCI.
- CABLE LENGTHS, SIGNAL CONTACT AND POWER CONTACT POSITIONS MUST BE DEFINED ON ASSEMBLY DRAWINGS FOR THE ASSIGNED PART NUMBERS. THE STANDARD PART NUMBERS (DIM "M") MATING LENGTH IS DEFINED AS 0.042[1.07]. STANDARD PANEL MOUNT ASSEMBLIES HAVE END MODULES WITH GUIDES.
- FOR CABLE ASSEMBLIES WITH NON-STANDARD OPTIONS PLEASE USE PART NUMBER 10080594-XXXXXXXXLF
- NON-STANDARD OPTIONS ARE DEFINED AS HAVING ONE OR MORE OF THE FOLLOWING:
 - NOT FULLY LOADED SIGNAL CONTACTS OR NOT FULLY LOADED POWER CONTACTS
 - PITCH IS NOT THE STANDARD PITCH OF 0.250[6.35] FOR POWER CONTACTS
 - THE COLOR OF THE POWER WIRES ARE NOT BLACK
 - THE COLOR OF THE SIGNAL WIRES ARE NOT GREEN
 - (DIM "M") MATING LENGTH IS DEFINED AS 0.092[2.34]
 - NO GUIDES ON END MODULES HAS BEEN REQUESTED
 - PITCH IS VARIED ON POWER CONTACTS
 - VARIED POWER WIRES AND OR SIGNAL WIRES ARE REQUIRED.
- 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.
- CONNECTOR LENGTH MUST NOT EXCEED 155.00 mm MAX.
- STANDARD SINGLE ENDED CABLE ASSEMBLIES SHALL HAVE NO TERMINATION, THESE CABLES ARE DEFINED AS BLUNT CUT.
- LEAD FREE PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

BASE NUMBER
10080591

DASH NUMBER
- X X X X X X X L F

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

| STYLE | TERMINATION |
|-----------------|--------------------------------|
| 1: SINGLE ENDED | BLUNT CUT CABLES SEE NOTE 8 |

| SIGNAL WIRE SIZE | COLOR |
|------------------|-------|
| A: 22 AWG | GREEN |
| B: 24 AWG | |
| C: 26 AWG | |
| D: NONE | |

| POWER WIRE SIZE | STRAND COUNT | COLOR |
|-----------------|--------------|-------|
| A: 10 AWG | STANDARD | BLACK |
| B: 12 AWG | STANDARD | |
| C: 14 AWG | STANDARD | |
| D: 10 AWG | HIGH FLEX | |
| E: 12 AWG | HIGH FLEX | |
| F: 14 AWG | HIGH FLEX | |
| G: NONE | - | - |

| CONFIGURATION | STYLE |
|---------------|-------------|
| A: ALL POWER | STR |
| B: P+S+P | STR |
| C: P+S | STR |
| D: S+P | STR |
| E: ALL POWER | PANEL MOUNT |
| F: P+S+P | PANEL MOUNT |
| G: P+S | PANEL MOUNT |
| H: S+P | PANEL MOUNT |
| J: ALL SIGNAL | STR |
| K: ALL SIGNAL | PANEL MOUNT |
| L: ALL SIGNAL | LATCH EAR |
| M: ALL POWER | LATCH EAR |
| N: P+S+P | LATCH EAR |
| P: P+S | LATCH EAR |
| R: S+P | LATCH EAR |



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| rev | ecn no | dr | date |
|-----|----------|-----|------------|
| A | V07-0550 | DAI | 2007-08-20 |
| B | V08-0327 | DAI | 2008-07-16 |
| C | V09-0582 | DAI | 2009-02-11 |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |

| | | | | | |
|--------------------------------------|-----------|---|----------------|-----------------------------|--------------|
| www.fciconnect.com | | surface <input checked="" type="checkbox"/> | tolerance std | projection | MM |
| | | TOLERANCES UNLESS OTHERWISE SPECIFIED | | | |
| Dr | D. INGRAM | 2007-05-08 | ANGULAR | 0.X | ± |
| Eng | C. GROSS | 2007-05-08 | LINEAR | 0.XX | ± |
| Chr | C. GROSS | 2007-05-08 | 0° ±" | 0.XXX | ± |
| Appr | C. GROSS | 2007-05-08 | Product family | | Spec ref |
| FCI logo | | | | STANDARD PART NUMBER SCHEME | 10080591 |
| PwrBlade RECEPTACLE CABLE ASSEMBLIES | | | | CUSTOMER | Rev. C |
| catalog no | | | | CUSTOMER | sheet 1 of 1 |