

PRODUCT NUMBER

10080591-XXXXXXLFL

BASE NUMBER
1 0 0 8 0 5 9 1DASH NUMBER
- 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 SIZESTRAND
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

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-XXXXXXLFL
- 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.



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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 ☒	tolerance std	projection	MM
			TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr	D. INGRAM	2007-05-08	ANGULAR	0.X	±	A4
Eng	C. GROSS	2007-05-08		0.XX	±	
Chr	C. GROSS	2007-05-08		0.XXX	±	
Appr	C. GROSS	2007-05-08	Product family			ECN V09-0582
			Spec ref			
FCI			title			Rev.
			STANDARD PART NUMBER SCHEME			C
			PwrBlade RECEPTACLE CABLE ASSEMBLIES			
			catalog no			
			CUSTOMER			sheet 1 of 1

Mouser Electronics

Authorized Distributor

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