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Stocking Distributor

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[FCI](#)
[51760-10001204AALF](#)

For any questions, you can email us directly:

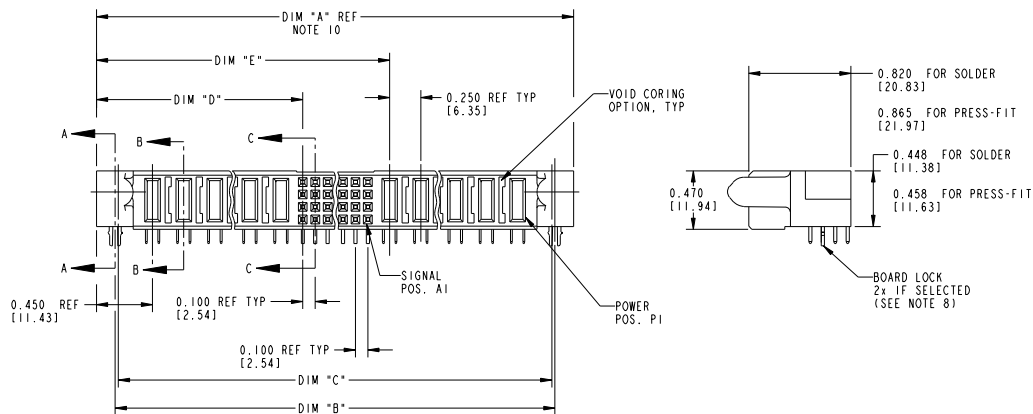
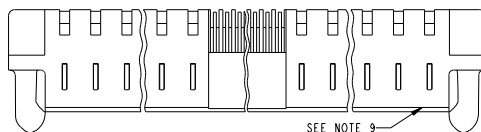
sales@integrated-circuit.com

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PRODUCT NUMBER
51760- ABBCCDDDEF...
Note: (3)
SEE NOTE 1



mat'l code				tolerances unless otherwise specified		CUSTOMER COPY		FCI		www.fciconnect.com	
ltr	ecn no.	dr	date								
K	D605-0124	SJ	06/03/05	linear	.XX±.01/.XX±.3	projection					
L	D605-0485	GuoJM	11/21/05		.XXX±.005/.XX±.13						
M	D607-0498	JW	05/23/08	angles	.XXX±.0020/.XX±.051						
					0°±2°						
				dr	D. BOGLE	05-18-99					
				enrg	J. BROWN	05-18-99					
				chr	J. BROWN	05-18-99					
				appd	J. BROWN	05-18-99					
sheet index	revision	sheet	M	M	M						
			1	2	3						

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ENVIRONMENT

form no. 7530-001-103

cage code 22526

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PRODUCT NUMBER	DIM	LENGTH FORMULAS (SEE NOTE 10)
51760-ABBCCCDEF..	DIM "A"	.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .250 [6.35] x BB + .650 [16.51] (NOTE 10)
SEE NOTE 1	DIM "B"	.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .250 [6.35] x BB + .350 [8.89]
	DIM "C"	.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .250 [6.35] x BB + .300 [7.62]
	DIM "D"	.250 [6.35] x DD + .375 [9.35]
	DIM "E"	.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .450 [11.43]
	DIM "F"	.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .250 [6.35] x BB + .680 [17.27]
	DIM "G"	.250 [6.35] x DD + .225 [5.72]
	DIM "H"	.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .250 [6.35]

CONNECTOR NOTES

① PRODUCT NUMBER CODE:
51760 - A BB CCC DD E F LF

NO THIS SUFFIX: 100u"/2.54um SnPb ON PCB INTERFACE
ADD THIS SUFFIX: 78u"/2.00um Sn OR 5u" Au ON PCB INTERFACE
RETENTION TO PCB (NOTE 8)
TAIL OPTIONS (NOTE 7)
NUMBER OF LEFT END POWER CONTACTS (NOTE 6)
NUMBER OF SIGNAL CONTACTS (NOTE 5)
NUMBER OF RIGHT POWER CONTACTS (NOTE 4)
PLATING (NOTE 31)
BASE NUMBER

B = .150 [3.81] THRU HOLE (REQUIRES .158 ±0.003
[4.01 ±0.08] THRU HOLE IN PCB).
MOUNTING FOOT HEIGHT
[.604(.06)]

- ⑨ ALWAYS AVAILABLE FOR PRESS-FIT**
⑩ MANUFACTURE'S NAME, P/N, AND DATE CODE TO APPEAR ON THIS SURFACE.
⑪ THE MAXIMUM OVERALL LENGTH (DIM A) OF A PART IS 8.00 [203.2]
⑫ PRODUCT SPECIFICATION GS-12-149
⑬ APPLICATION SPECIFICATION BUS-20-067
⑭ FOR PRESS-FIT CONNECTORS USE FCI CAM TOOL 430140-XXX TO APPLY CONNECTOR TO PCB.

PCB NOTES:

- ⑭ ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.
⑮ ALL THROUGH HOLES ARE LOCATED WITH A TRUE POSITION OF .004(0.10)
⑯ ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.
⑰ Ø0.0453 ±.001 [1.151 ±0.02] DRILLED HOLES PLATED WITH 0.0003 [0.007] MIN SnPb OVER 0.001 [1.03] TO .003 [0.08] PLATING TO ACHIEVE A .040±.003 [1.02±0.08] HOLE.
⑱ THE VOID CORING IN BETWEEN POWER MODULES, SIGNAL MODULES AND END MODULES ARE OPTIONAL AND THE SHAPE MAY BE DIFFERENT FOR OPTIMIZING THE MOLDING PROCESS. THE VOID CORING WILL NOT EFFECT TO PRODUCT FUNCTION.
⑲ A Δ SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

- ② HOUSING MATERIAL: GLASS FILLED V-O HIGH TEMP THERMO PLASTIC.
SIGNAL CONTACT MATERIAL: COPPER ALLOY
POWER CONTACT MATERIAL: COPPER ALLOY
③ PLATING OPTION:
Δ1: SEE IN PRINT 10064183 FOR PLATING SPEC OF 51760-ABBCCCDEF; 51760-ABBCCCDEF
④ RIGHT END POWER CONTACTS, 01 TO 20 AVAILABLE.
MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR
⑤ SIGNAL CONTACTS, 004 TO 148 AVAILABLE FOR SOLDER TO BOARD.
020 TO 148 AVAILABLE FOR PRESS-FIT TO BOARD.
⑥ LEFT END POWER CONTACTS, 01 TO 20 AVAILABLE.
MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR
⑦ TAIL OPTIONS:
A = .135 ±.010 [3.43 ±.25] SOLDER TO BOARD
B = .090 ±.005 / -.010 [2.29 ±0.13 / -.25] SOLDER TO BOARD
C = .154 ±.010 [3.91 ±0.25] PRESS-FIT TO BOARD
⑧ RETENTION TO PCB OPTIONS:
A = BOARD LOCK (REQUIRES .098 ±.002 / -.001 [2.49 ±0.05 / -0.05] THRU HOLE IN PCB MOUNTING FOOT HEIGHT: .220[5.58])
NOT AVAILABLE FOR PRESS-FIT

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material code				tolerances unless otherwise specified				CUSTOMER COPY		FCI		www.fciconnect.com	
lfr	ecn no.	dr	date	linear .XX±.01/.XX±.3				projection		title		RIGHT ANGLE RECEPTACLE w/GUIDE PIN POWER / SIGNAL / POWER	
M				linear .XXX±.005/.XX±.13				projection		product family		PwrBlade	
				linear .XXX±.0020/.XX±.051				projection		size		dwg no 51760	
				angles 0°±2°				projection		scale		1:2	
				dr D. BOGLE 05-18-99				projection		sheet		213	
				engr J. BROWN 05-18-99				projection		sheet		2 OF 3	
				chr J. BROWN 05-18-99				projection		sheet		2 OF 3	
				appd J. BROWN 05-18-99				projection		sheet		2 OF 3	
sheet index	revision	sheet											

form no. 7530-001-103

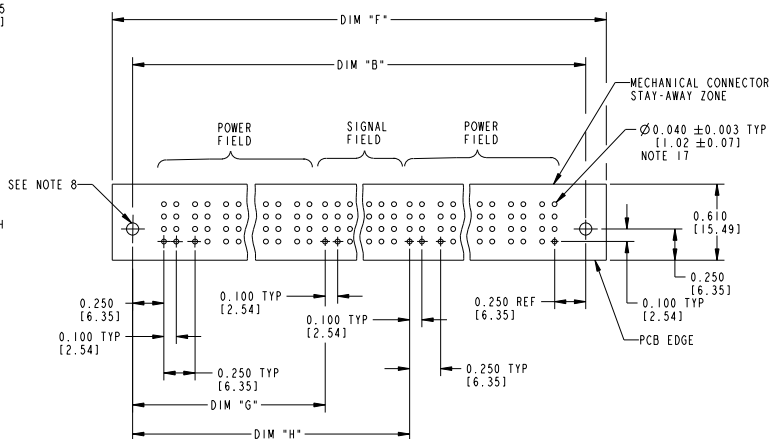
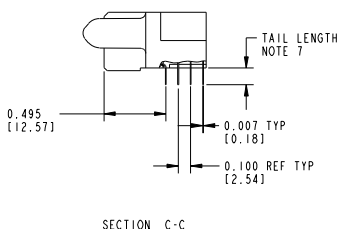
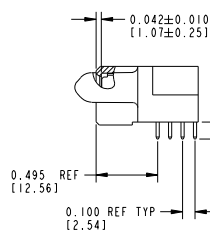
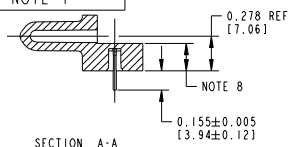
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PRODUCT NUMBER
51760 - ABBCCDDEF --
Note: (3)
SEE NOTE 1



mat'l code				tolerances unless otherwise specified		CUSTOMER COPY		FCI		www.fciconnect.com	
ltr	ecm no.	dr	date	linear	.XX±.01/.X±.3	projection	1	title	RIGHT ANGLE RECEPTACLE w/GUIDE PIN	code	213
M				linear	.XXX±.005/.XX±.13	projection	1	title	RIGHT ANGLE RECEPTACLE w/GUIDE PIN	code	213
				linear	.XXX±.0020/.XX±.051	projection	1	title	RIGHT ANGLE RECEPTACLE w/GUIDE PIN	code	213
				angles	0°±2°	projection	1	title	RIGHT ANGLE RECEPTACLE w/GUIDE PIN	code	213
				dr	D. BOGLE 05-18-99	INCH / MM	1	product family	PwrBlade	code	213
				engr	J. BROWN 05-18-99	scale	1:1	size	dwg no	51760	SHEET 3 OF 3
				chr	J. BROWN 05-18-99						
				appd	J. BROWN 05-18-99						
sheet index	revision	sheet									

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