



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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Email & Skype: info@chipsmall.com Web: www.chipsmall.com

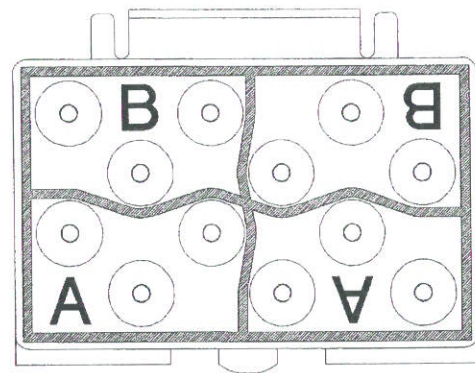
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



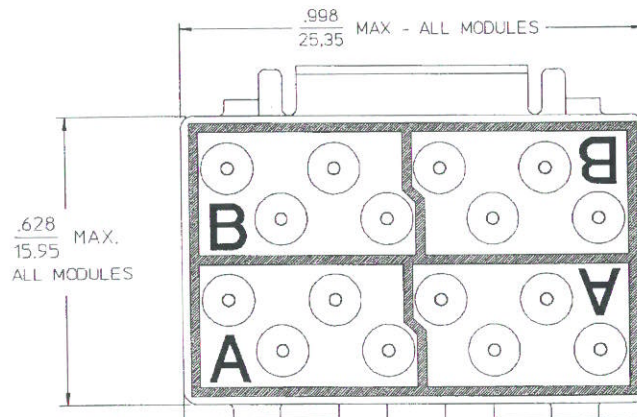
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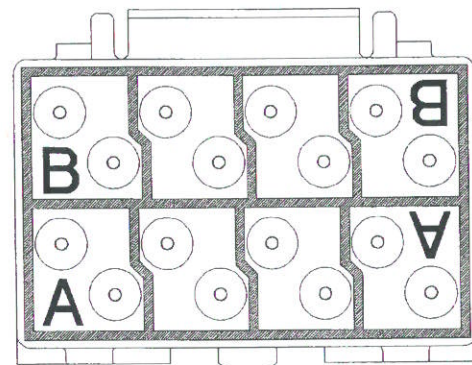
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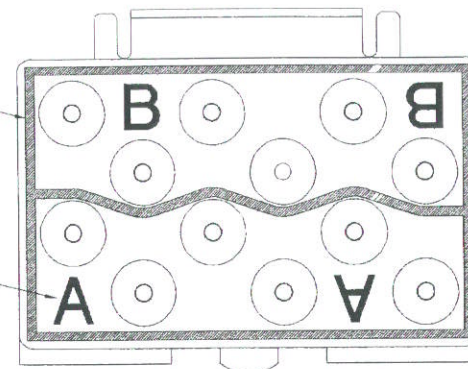
SIZE 16
FCI CATALOG NUMBER
RBTB16-3W
BOEING PART NO. S280W555-203
3 TERMINALS BUSSELED X4



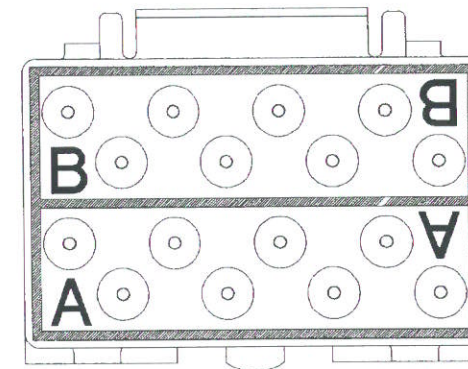
SIZE 20
FCI CATALOG NUMBER
RBTB20-4W
BOEING PART NO. S280W555-104
4 TERMINALS, BUSSELED X4



SIZE 20
FCI CATALOG NUMBER
RBTB20-2W
BOEING PART NO. S280W555-102
2 TERMINALS, BUSSELED X8



SIZE 16
FCI CATALOG NUMBER
RBTB16-6W
BOEING PART NO. S280W555-206
6 TERMINALS BUSSELED X2



SIZE 20
FCI CATALOG NUMBER
RBTB20-8W
BOEING PART NO. S280W555-108
8 TERMINALS, BUSSELED X2

INK STAMPED BORDER SURROUNDS
BUSSELED POSITIONS. COLOR WHITE.
TYPICAL. ALL MODULES

INK STAMPED CONTACT LOCATION
LETTERS "A" AND "B".
COLOR WHITE.
TYPICAL. ALL MODULES.

NOTES: UNLESS OTHERWISE SPECIFIED:

1 INTERPRET THIS DRAWING IN ACCORDANCE WITH ANSI Y14.5M-1982.

MATERIAL:

STRAIN RELIEF GROMMET: SILICONE RUBBER, COLOR: RED, (20)
BLUE, (16)

GROMMET BONDING: EPOXY

MODULE BODY AND BASE: GLASS FORTIFIED THERMOPLASTIC
UL94V-0, COLOR BLUE

SOCKET CONTACT SLEEVES: THERMOPLASTIC:
GLASS FORTIFIED THERMOPLASTIC
UL 94V-0, COLOR: NATURAL OR LIQUID
CRYSTAL POLYMER

SOCKET CONTACTS: BERYLLIUM COPPER

CONTACT RETENTION CLIPS: BERYLLIUM COPPER

FINISH:

SOCKET CONTACTS: 50 MICRONCHES [1,27 MICRONS] MIN
NICKEL ALL OVER, PIN CONTACT CURRENT
BEARING SURFACE OVER-PLATED WITH
50 MICRONCHES [1,27 MICRONS] MIN
HARD GOLD.

C

B

D

C

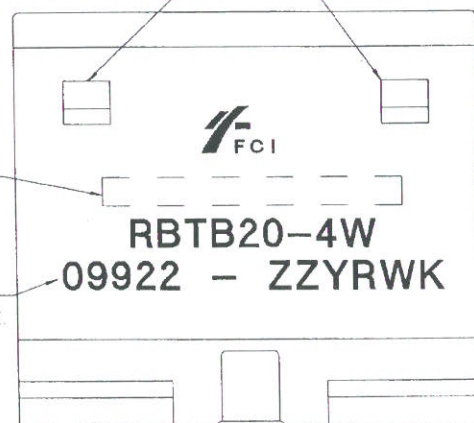
B

A

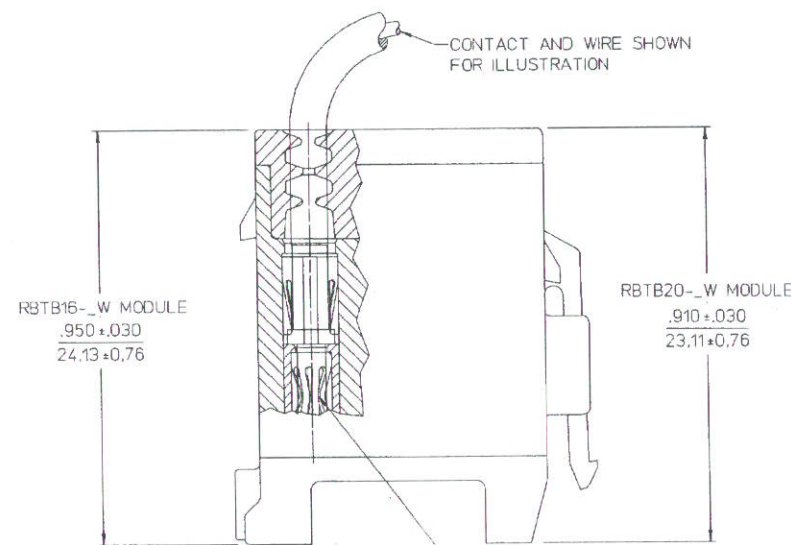
TABS ARE OMITTED ON
RBTB16-_W MODULE

CUSTOMER PART NO.,
INK STAMPED,
COLOR WHITE

FCI CATALOG NO.,
CAGE NO., DATE CODE
AND NAME,
INK STAMPED,
COLOR WHITE

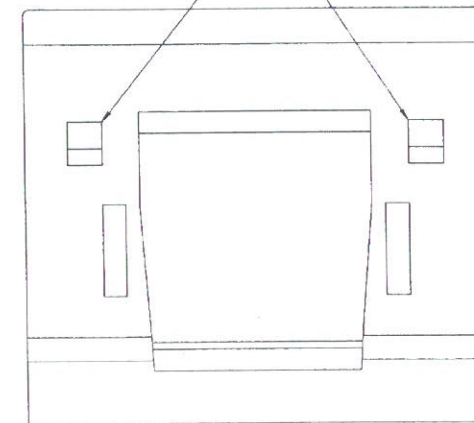


CONTACT AND WIRE SHOWN
FOR ILLUSTRATION



PIN CONTACT CURRENT
BEARING SURFACE

TABS ARE OMITTED ON
RBTB16-_W MODULE



SUPERSEDES SKME27683 REV 4

J	REVISED PER ECH6451	JRD	SDH	11-19-01
9	REVISED PER ECH4435	SAF	TMN	09-21-99
8	REVISED PER ECH4421	SAF	TMN	08-24-99
7	REVISED PER ECH4412	SAF	TMN	09-12-99
6	ADDED (20, BLUE 16) TO GROMMET MATL. (ECH3933)	JW	CL	07-10-95
5	SH 1: REMOVED CAT NOS RBTB16-3 & -6, RBTB20-2, -4 & -8. SH 2: ADDED W TO TABS BUNDLY CAT NOS. (ECH 3284)	JW	CL	06-13-95
4	SEE REV REF PRINT (ECH2353)	JJK	JJK	10-06-93
3	SHT 1 & 2: PICTORALLY UPDATED BASE PER DETAIL DWGS. ADDED CAT. NOS. RBTB16-3W & -6W, RBTB20-2W, -4W & -8W. (ECH2304)	DLB	GD	8-16-93
2	SHT 1: ADDED BOEING PART NOS. SHT 2: NO CHANGE. (ECH 2185)	GJD	GD	3-1-93
1	SHT 1: SEE REV REF PRINT SHT 2: NO CHANGE. (ECH 2184)	GJD	GD	2-3-93
REV	REVISION DESCRIPTION	BY	CHKD	DATE

SIZE 16 AND 20 FEEDBACK MODULES

CAT NO.: RBTB16-_W, RBTB20-_W (SEE DESC. SH 2)

LINEAR MEASURE	INCH (mm)
THIRD ANGLE PROJECTION	
TOLERANCES UNLESS OTHERWISE SPECIFIED	
NO. OF PLACES	INCH (mm)
ONE PLACE	±.1 (.3)
TWO PLACES	±.02 (.05)
THREE PLACES	±.010 (.025)
ANGLES	1°

APPROVAL	DATE
CHKD: FDH	10-13-92
DSGN: JDA	10-13-92
MG: NY	10-13-92
DC: SJ	10-13-92
DRAWING SCALE	5:1
DRAWING NO.	REV
SE94834	J
SHEET 1 OF 2	

CUSTOMER

www.fci.com

8 7 6 5 4 3 2 1 ME10

PERFORMANCE CHARACTERISTICS

ELECTRICAL:

CONTACT RESISTANCE: IN ACCORDANCE WITH MIL-T-81714, PARA. 4.6.16, REF: MIL-STD-1344, METHOD 3004.
 SIZE 16-20: 45 MILLIVOLTS MAX AT 7.5A WITH 20 AWG SILVER PLATED WIRE.
 SIZE 14-16: 50 MILLIVOLTS MAX AT 13.0A WITH 16 AWG SILVER PLATED WIRE.

LOW LEVEL CONTACT RESISTANCE: IN ACCORDANCE WITH MIL-T-81714, PARA. 4.6.17, REF: MIL-STD-1344, METHOD 3002.
 SIZE 16-20: .009 OHMS MAX WITH 20 AWG SILVER PLATED WIRE.
 SIZE 14-16: .005 OHMS MAX WITH 16 AWG SILVER PLATED WIRE

VOLTAGE STABILITY: 4 MILLIVOLT MAX DIFFERENCE BETWEEN RECORDED HIGHEST AND LOWEST POTENTIAL DROP VALUES IN ACCORDANCE WITH MIL-T-81714, PARA. 4.6.18.

DIELECTRIC WITHSTANDING VOLTAGE (SEA LEVEL): 1500 VRMS IN ACCORDANCE WITH MIL-T-81714, PARA. 4.6.6.1, REF: MIL-STD-1344, METHOD 3001, TEST CONDITION I.

DIELECTRIC WITHSTANDING VOLTAGE (ALTITUDE): 600 VRMS IN ACCORDANCE WITH MIL-T-81714, PARA. 4.6.6.2, REF: MIL-STD-1344, METHOD 3001, TEST CONDITION IV.

INSULATION RESISTANCE: 5000 MEGOHMS MIN IN ACCORDANCE WITH MIL-T-81714, PARA. 4.6.11.1, REF: MIL-STD-1344, METHOD 3003.

INSULATION RESISTANCE (ELEVATED TEMPERATURE): 50 MEGOHMS MIN AFTER 1000 HOURS AT 150°C [302°F] IN ACCORDANCE WITH MIL-T-81714, PARA. 4.6.11.2.

MECHANICAL:

MAGNETIC PERMEABILITY: ALL MATERIALS DO NOT EXHIBIT A RELATIVE MAGNETIC PERMEABILITY OF GREATER THAN 2 IN ACCORDANCE WITH MIL-T-81714, PARA. 4.6.15, REF: MIL-STD-1344, METHOD 3006.

MAINTENANCE AGING: IN ACCORDANCE WITH MIL-T-81714, PARA. 4.6.3.

CONTACT INSERTION/REMOVAL FORCE: 10 LBS [44.4N] MAX (SIZE 16-20) AND 15 LBS [66.7N] MAX (SIZE 14-16), IN ACCORDANCE WITH MIL-T-81714, PARA. 4.6.3.

CONTACT RETENTION: 20 LBS [88.9N] MIN (SIZE 16-20) AND 25 LBS [111.2N] MIN (SIZE 14-16), IN ACCORDANCE WITH MIL-T-81714, PARA. 4.6.4, AXIAL DISPLACEMENT DOES NOT EXCEED .012 [0.30], REF: MIL-STD-1344, METHOD 2007.

PROBE DAMAGE: IN ACCORDANCE WITH MIL-T-81714, PARA. 4.6.2.

RETENTION SYSTEM FLUID IMMERSION: IN ACCORDANCE WITH MIL-T-81714, PARA. 4.6.23.

INTERNAL CONTACT DURABILITY: 100 CYCLES OF MATING AND UNMATING TO DEPTH OF MECHANICAL AND ELECTRICAL ENGAGEMENT IN ACCORDANCE WITH MIL-T-81714, PARA. 4.6.19.

OVERSIZE PIN CONTACT PROTECTION: MODULE DESIGNED TO PREVENT ENTRANCE OF AN OVERSIZE TEST PIN OF Ø.070 [1.78] (SIZE 16-20) OR Ø.088 [2.24] (SIZE 14-16) IN ACCORDANCE WITH MIL-T-81714, PARA. 4.6.20.

CONTACT WALKOUT: IN ACCORDANCE WITH MIL-T-81714, PARA. 4.6.22, REF: MIL-STD-1549.

LATCH DURABILITY: 100 CYCLES

ENVIRONMENTAL:

ALTITUDE IMMERSION: 75,000 FT [22,860 m] FOR 30 MINUTES IN ACCORDANCE WITH MIL-T-81714, PARA. 4.6.21, REF: MIL-STD-1344, METHOD 1004.

FLUID IMMERSION: ALL MATERIALS ARE RESISTANT TO BMS3-11 (SKYDROL LD-4) AND MIL-H-5606 HYDRAULIC FLUIDS, AND MIL-L-7808 AND MIL-L-23699 LUBRICATING OILS.

HUMIDITY: IN ACCORDANCE WITH MIL-T-81714, PARA. 4.6.10, REF: MIL-STD-1344, METHOD 1002, TYPE II, (EXCEPT WITHOUT STEP 7b).

SALT SPRAY: 500 HOURS IN ACCORDANCE WITH MIL-T-81714, PARA. 4.6.12, REF: MIL-STD-1344, METHOD 1001, TEST CONDITION C.

VIBRATION (SINUSOIDAL): IN ACCORDANCE WITH MIL-T-81714, PARA. 4.6.8.1, REF: MIL-STD-202, METHOD 204, TEST CONDITION G.

VIBRATION (RANDOM): IN ACCORDANCE WITH MIL-T-81714, PARA. 4.6.8.2, REF: MIL-STD-1344, METHOD 2005, TEST CONDITION VI, LETTER J.

MECHANICAL (IMPACT) SHOCK: IN ACCORDANCE WITH MIL-T-81714, PARA. 4.6.9, REF: MIL-STD-1344, METHOD 2004, TEST CONDITION D.

THERMAL SHOCK: IN ACCORDANCE WITH MIL-T-81714, PARA. 4.6.5, REF: MIL-STD-1344, METHOD 1003, TEST CONDITION A, (EXCEPT TEMPERATURE EXTREMES ARE -65°C TO +150°C [-85°F TO +302°F]).

TEMPERATURE LIFE: 150°C [302°F] FOR 1000 HOURS IN ACCORDANCE WITH MIL-T-81714, PARA. 4.6.13.

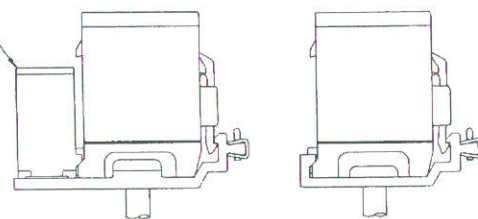
OZONE: IN ACCORDANCE WITH MIL-T-81714, PARA. 4.6.14, REF: MIL-STD-1344, METHOD 1007.

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C

B

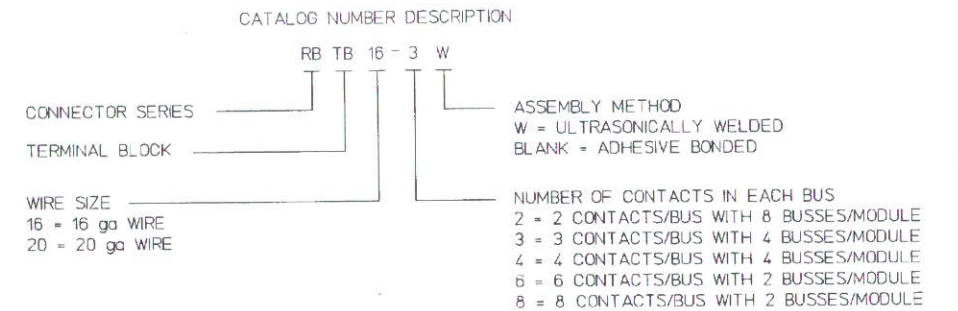
SEE DRAWING SE94843 FOR GROUNDING AND MOUNTING TRACKS.



FEEDBACK MODULE INSTALLED IN GROUNDING AND MOUNTING TRACKS

MAXIMUM WEIGHTS	
FCI CATALOG NO.	WEIGHT (g)
RBTB16-3W	12.0
RBTB16-6W	
RBTB20-2W	11.0
RBTB20-4W	
RBTB20-8W	

SIZE AND ACCOMMODATIONS					
FCI CATALOG NO.	CONTACT MIL-C-39029/1	WIRE RANGE AWG	CURRENT RATING AMPS PER CAVITY	INSERTION AND REMOVAL TOOL: MIL-I-81969/14C	CONTACT POSITIONS
RBTB16-_W	-102	18-16	13 WITH 16 AWG	-03	12
RBTB20-_W	-101	24-22-20	7.5 WITH 20 AWG	-11	16



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SIZE 16 AND 20 FEEDBACK MODULES

CAT NO.: RBTB16-_W, RBTB20-_W (SEE DESC. SH 2)

CAUSE NO. 09022 SIZE: D

LINEAR MEASURE: INCH (mm)

THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED

NO. OF PLACES	INCH (mm)
ONE PLACE	+0.1 (+.3)
TWO PLACES	+0.02 (+.05)
THREE PLACES	+0.01 (+.025)

ANGLES: 1°

APPROVAL: DRAWN: GJD 06-07-92, CHKD: FDH 10-13-92, DESGN: JDA 10-13-92, MFG: JAV 10-13-92, QCI: SJ 10-13-92

DRAWING SCALE: 5:1

DRAWING NO. REV: SEG4834 J

SHEET 2 OF 2

ME10

D

C

B

A