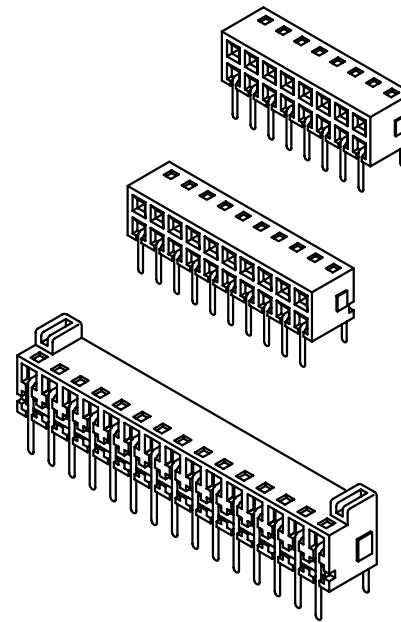
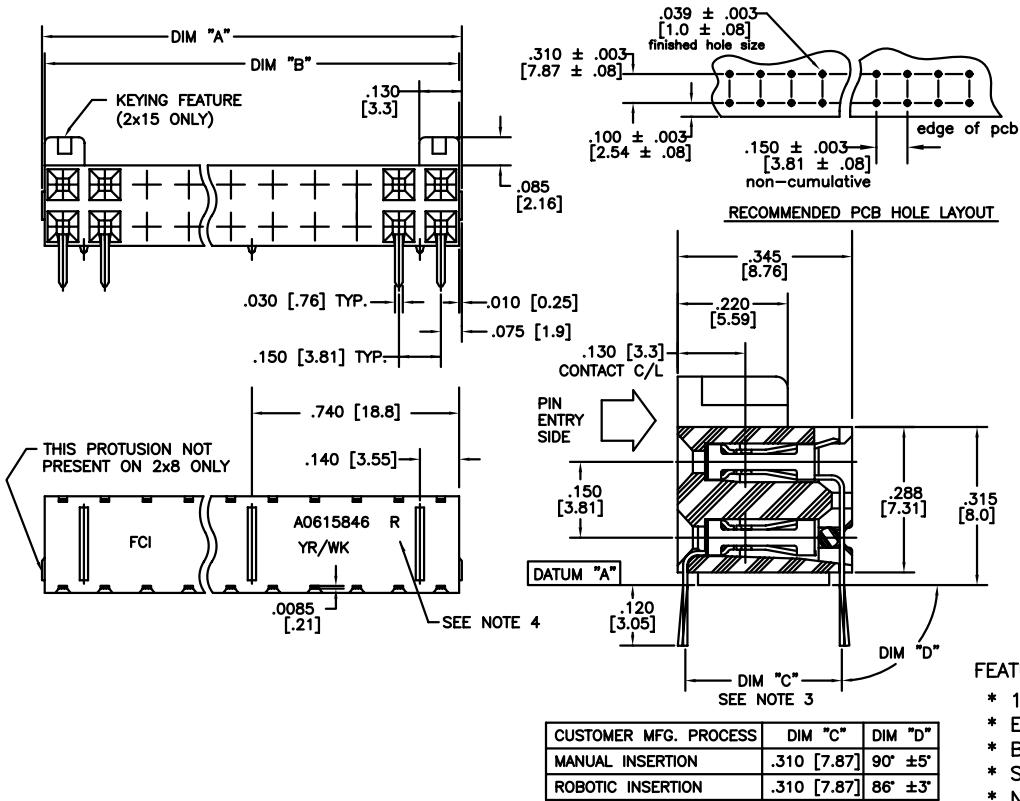


PRODUCT NUMBER  
SEE TABLE



#### FEATURES:

- \* 16, 20 OR 30 CONTACTS – SIDE ENTRY
- \* END STACKABLE
- \* BIFURCATED CONTACT DESIGN (N/S ORIENTATION)
- \* SELECTIVELY PLATED GOLD CONTACT
- \* Ni UNDERPLATE SUITABLE FOR NO-CLEAN OPERATION
- \* SnPb OR Sn PLATED CONTACT LEADS FOR SOLDERABILITY
- \* ANTI-SHORTING STRIP TO GUARANTEE AGAINST SHORTING THE TWO ROWS.
- \* POLARIZED KEYING FEATURES (2x15 ONLY)
- \* INTENDED FOR USE ON .062/1.57 THICK PCB
- \* INTENDED FOR USE ON .025/0.64 SQUARE PINS

#### SPECIFICATIONS—MECHANICAL:

- \* INSERTION FORCE – 150 G/CONTACT MAX
- \* WITHDRAWAL FORCE: 20 G/CONTACT MAX
- \* CONTACT RETENTION: 900 G/CONTACT MIN
- \* CONTACT NORMAL FORCE: 120 G/CONTACT MIN
- \* DURABILITY – 200 CYCLES MIN.
- \* OPERATING TEMPERATURE: -55°C TO +85°C

#### SPECIFICATIONS—ELECTRICAL:

- \* CURRENT RATING(CONTINUOUS):  
2x8 AND 2x10: 1 AMP/CONTACT MAX  
2x15 : 2 AMP/CONTACT MAX
- \* CONTACT RESISTANCE: 20 MILLIOHMS MAX
- \* INSULATION RESISTANCE: 5000 MEGOHMS MIN
- \* DIELECTRIC WITHSTAND VOLTAGE: 1000V RMS

mat'l. code SEE NOTE 1				surface		tolerance	projection	product family
ltr	ecn no	dr	date	tolerances unless otherwise specified				title
D	V05-0066	HTB	3/7/05	angles			INCH/MM	PCB MOUNTED RECEPTACLES
E	V05-0915	HTB	9/28/05	linear				CBR07 DR .150" [3.81] GRID
F	V05-1155	HTB	12/27/05	0°±0.5°			scale N.T.S.	
G	V06-0376	HTB	4/18/06	dr	T. BREWBAKER	3/7/05		dwg no
				engr	T. BREWBAKER	3/7/05		sheet 1 of 2
				chr	T. BREWBAKER	3/7/05		size
				appd	T. BREWBAKER	3/7/05		54312
								A3
sheet	revision	G	G					
index	sheet	1	2					

PRODUCT NUMBER	ENG. CODE	DESCRIPTION	PACK TYPE QTY/CARTON	TAIL STYLE	DIM "A"	DIM "B"	NOTES	
F0738270	CBR07A016S	16 POS.(2x8)	TUBE — 420	MANUAL	1.200/30.48	1.180/29.97	—	OBsolete
A0379041	CBR07A020Q	20 POS.(2x10)	GPAX — 5600	ROBOTIC	1.500/38.10	1.480/37.59	—	OBsolete
A0379041LF		20 POS.(2x10)	GPAX 5600	ROBOTIC	1.500/38.10	1.480/37.59	NOTES 5 & 6	OBsolete
AT379041	CBR07A020Q	20 POS.(2x10)	TUBE — 1440	MANUAL	1.500/38.10	1.480/37.59	—	
AT379041LF	—	20 POS.(2x10)	TUBE — 1440	MANUAL	1.500/38.10	1.480/37.59	NOTES 5 & 6	
A0615846	CBR07A030QS1	30 POS.(2x15)	GPAX — 1950	ROBOTIC	2.250/57.15	2.230/56.64	—	OBsolete
AT615846	CBR07A030QS1	30 POS.(2x15)	TRAY 400	MANUAL	2.250/57.15	2.230/56.64	—	OBsolete

NOTES:

- ①. HOUSING MATERIAL: PBT, GLASS FIBER REINFORCED, FLAME RETARDENT PER UL 94V-0, COLOR: BLACK.  
TERMINAL MATERIAL: CA510 ALLOY  
CONTACT FINISH: 50u" / 1.27u Au  
CONTACT UNDERPLATE: 100u" / 2.54u Ni  
SOLDER TAIL FINISH: 100u" / 2.54u SnPb  
LF SOLDER TAIL FINISH: 100u" / 2.54u Sn  
OVERALL UNDERPLATE: 20u" / 0.51u Ni
2. PACKAGED IN ANTI-STATIC TRAYS, TUBES OR GPAX.
- ③. FOR ROBOTIC INSERTION DIM "C" IS TO BE MEASURED IN LINE WITH DATUM "A".  
FOR MANUAL INSERTION DIM "C" SHALL BE MEASURED AT TERMINAL TIP ENDS.
- ④. CONNECTORS WITH TERMINALS FORMED FOR ROBOTIC INSERTION WILL HAVE AN "R" AFTER THE PART NUMBER.
- ⑤. PART NUMBERS WITH AN LF SUFFIX MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
- ⑥. THE HOUSING WILL WITHSTAND EXPOSURE TO 260° C PEAK TEMPERATURE FOR 10 SECONDS IN A WAVE SOLDER APPLICATION WITH A .062" [1.57mm] THICK CIRCUIT BOARD.

mat'l. code SEE NOTE 1			surface		tolerance		projection	product family
ltr	ecn no	dr	date	tolerances unless otherwise specified				
G				angles	linear	.000±.005/.000±.13		INCH/MM
					0±0.5°			scale N.T.S.
				dr	T. BREWBAKER	3/7/05		
				engr	T. BREWBAKER	3/7/05		
				chr	T. BREWBAKER	3/7/05		
				appd	T. BREWBAKER	3/7/05		
sheet		revision						
index		sheet						

FCI

PCB MOUNTED RECEPTACLES  
CBR07 DR .150" [3.81] GRID

dwg no sheet 2 of 2 size  
54312 A3

type Product Customer Drawing