

PRODUCT NUMBER
SEE TABLE

NOTES:

- ① PRODUCT NUMBERING CODE:
50295 - X YYY Z S LF

LEAD FREE (OPTIONAL)
SPECIAL FEATURES (NOTE 6)
TAIL LENGTH (SEE TABLE)
NO. OF POSITIONS (NOTE 2)
PLATING (SEE TABLE)
BASE NUMBER

- ② THIS PRODUCT IS CONFIGURED IN SIZES OF 6 thru 80
COLUMNS IN INCREMENTS OF ONE.
i.e.: 6,7,8,9.....79,80.

- ③ HOUSING MATERIAL: GLASS & MINERAL FILLED HIGH-TEMP THERMOPLASTIC,
FLAME RETARDANT PER UL94 V-0.
CONTACT MATERIAL: BeCu

- ④ MANUFACTURE'S NAME, PART NUMBER AND LOT CODE TO
APPEAR ON THIS SURFACE PER BUS-12-108.

- ⑤ LENGTH DIMENSION FORMULAS:
DIM "A" = $.100/2.54 \times \text{NO. OF COLUMNS} + .75/19.1$
DIM "B" = $.100/2.54 \times \text{NO. OF COLUMNS} + .450/11.43$
DIM "C" = $.100/2.54 \times \text{NO. OF COLUMNS} - .100/2.54$

- ⑥ SPECIAL FEATURES (SEE SHEET 3) AND TABLE.

- = IF CODE IS OMITTED FROM PRODUCT NUMBER: CONNECTOR
IS PROVIDED AS SHOWN, NO SPECIAL FEATURES ARE
SELECTED. FOR P.C.B. ATTACHEMENT IN A $\phi.120[3.05]$ MOUNTING HOLE.

"A" = IF SPECIFIED, PRE-INSTALLED CLAW FOR P.C.B. ATTACHMENT
IN A $\phi.100[2.54]$ MOUNTING HOLE. AVAILABLE IN "E" TAIL LENGTH ONLY.

"B" = IF SPECIFIED, PRE-INSTALLED CLAW FOR P.C.B. ATTACHMENT
IN A $\phi.120[3.05]$ MOUNTING HOLE.

"C" = IF SPECIFIED, MOLDED GUIDE PINS WITH PRE-INSTALLED CLAW
FOR P.C.B. ATTACHMENT IN A $\phi.120[3.05]$ MOUNTING HOLE.

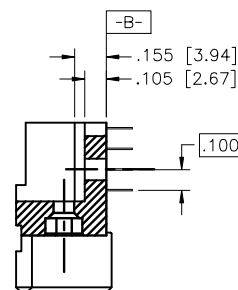
"D" = IF SPECIFIED, MOLDED GUIDE PINS WITH $\phi.100[2.54]$ MOUNTING HOLE
(NO CLAW).

- ⑦ CLAW DIMENSION DETERMINED BY P.C.B. HOLE DIAMETER.

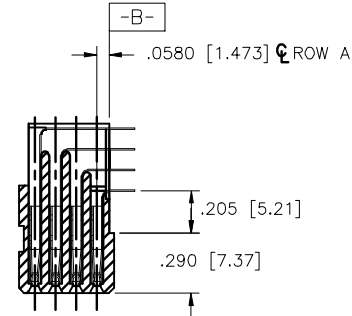
8. THIS PRODUCT (WITH "LF" SUFFIX) MEETS EUROPEAN UNION
DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN
GS-22-008.

9. THIS HOUSING WILL WITHSTAND EXPOSURE TO 260 DEGREES C
PEAK TEMPERATURE FOR 10-30 SECONDS IN A CONVECTION,
INFRA-RED OR VAPOR PHASE REFLOW OVEN.

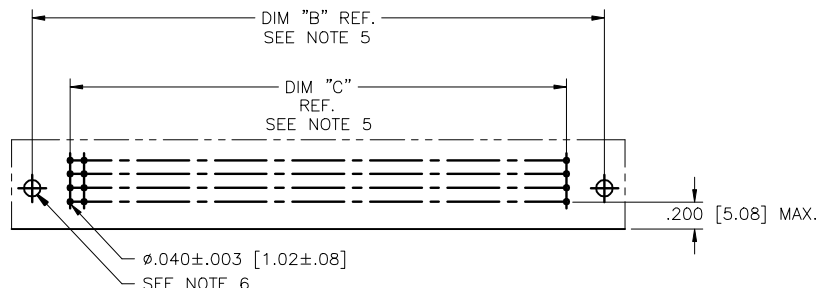
- ⑩ PLATING OPTION:
MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.



SECTION U-U
NO SPECIAL FEATURE



SECTION X-X



RECOMMENDED PCB LAYOUT
(ALL HOLES LOCATED ON $.100 [2.54]$ GRID
UNLESS OTHERWISE SPECIFIED)

mat'l. code NOTE 3				surface ISO 1902 ✓ ISO 1101	tolerance ISO 406 ISO 1101	projection ISO 1902	product family HPC
ltr	ecn no	dr	date	tolerances unless otherwise specified		INCH/MM	title
S				angles	linear		4 ROW R/A RECEPTACLE SOLDER TAIL, 0 GUIDE PIN
						scale 1:1	dwg no
				dr	G.PETERS	6/4/96	sheet 2 of 5
				engr	S.CLARK	6/3/96	size
				chr	S.CLARK	6/4/96	A3
				appd	S.CLARK	6/4/96	type
sheet	revision						Product Customer Drawing
index	sheet						

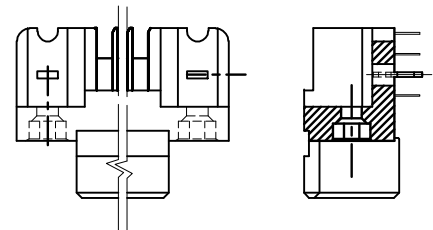
form A3



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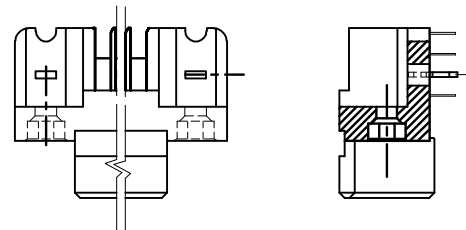
PRODUCT NUMBER
SEE TABLE

SPECIAL FEATURE OPTION A



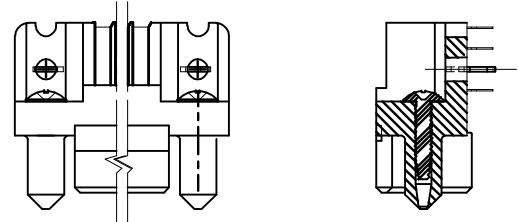
SECTION U-U

SPECIAL FEATURE OPTION B



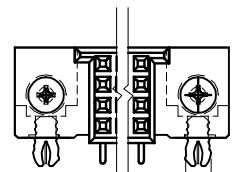
SECTION U-U

SPECIAL FEATURE OPTION C



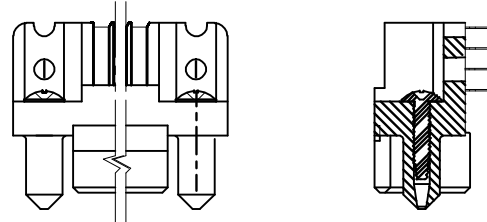
SECTION U-U

SELF TAPPING
SCREW (2x)



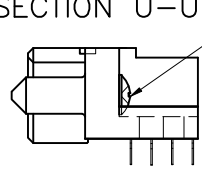
NOTE 7

SPECIAL FEATURE OPTION D



SECTION U-U

SELF TAPPING
SCREW (2x)



mat'l. code				surface	tolerance	projection	product family
NOTE 3				ISO 1302	ISO 406		HPC
ltr	ecr no	dr	date	tolerances unless otherwise specified			title
S				angles	linear		
					$.XX \pm .01 / .XX \pm 0.3$		
					$.XXX \pm .005 / .XXX \pm 0.13$		
				$0^\circ \pm 2^\circ$	$.XXX \pm .0020 / .XXX \pm 0.051$	INCH/MM	4 ROW R/A RECEPTACLE
				dr	G.PETERS	6/4/96	SOLDER TAIL, 0 GUIDE PIN
				engr	S.CLARK	6/3/96	dwg no
				chr	S.CLARK	6/4/96	50295
				appd	S.CLARK	6/4/96	sheet 3 of 5 size
sheet	revision						A3
index	sheet						type Product Customer Drawing

PRODUCT NUMBER NOTE 1 AND 2	NUMBER OF POSITIONS SEE NOTE 2	TAIL LENGTH ±.010/0.25	SPECIAL FEATURES SEE NOTE 6	TAIL PLATING	CONTACT PLATING SEE NOTE 10	PRODUCT NUMBER NOTE 1 AND 2	NUMBER OF POSITIONS SEE NOTE 2	TAIL LENGTH ±.010/0.25	SPECIAL FEATURES SEE NOTE 6	TAIL PLATING	CONTACT PLATING SEE NOTE 10
50295-1YYYE	YYY	.125/3.18	NONE	TIN-LEAD	30μ"/0.76μ Au	50295-1YYYELF	YYY	.125/3.18	NONE	TIN	30μ"/0.76μ Au
50295-1YYYEA	YYY	.125/3.18	"A"		30μ"/0.76μ Au	50295-1YYYEALF	YYY	.125/3.18	"A"		30μ"/0.76μ Au
50295-1YYYEB	YYY	.125/3.18	"B"		30μ"/0.76μ Au	50295-1YYYEBLF	YYY	.125/3.18	"B"		30μ"/0.76μ Au
50295-1YYYEC	YYY	.125/3.18	"C"		30μ"/0.76μ Au	50295-1YYYECLF	YYY	.125/3.18	"C"		30μ"/0.76μ Au
50295-1YYYED	YYY	.125/3.18	"D"		30μ"/0.76μ Au	50295-1YYYEDLF	YYY	.125/3.18	"D"		30μ"/0.76μ Au
50295-1YYYF	YYY	.145/3.68	NONE		30μ"/0.76μ Au	50295-1YYYFLF	YYY	.145/3.68	NONE		30μ"/0.76μ Au
50295-1YYYFB	YYY	.145/3.68	"B"		30μ"/0.76μ Au	50295-1YYYFBLF	YYY	.145/3.68	"B"		30μ"/0.76μ Au
50295-1YYYFC	YYY	.145/3.68	"C"		30μ"/0.76μ Au	50295-1YYYFCLF	YYY	.145/3.68	"C"		30μ"/0.76μ Au
50295-1YYYFD	YYY	.145/3.68	"D"		30μ"/0.76μ Au	50295-1YYYFDLF	YYY	.145/3.68	"D"		30μ"/0.76μ Au
50295-1YYYH	YYY	.180/4.57	NONE		30μ"/0.76μ Au	50295-1YYYHLF	YYY	.180/4.57	NONE		30μ"/0.76μ Au
50295-1YYYHB	YYY	.180/4.57	"B"		30μ"/0.76μ Au	50295-1YYYHBLF	YYY	.180/4.57	"B"		30μ"/0.76μ Au
50295-1YYYHC	YYY	.180/4.57	"C"		30μ"/0.76μ Au	50295-1YYYHCLF	YYY	.180/4.57	"C"		30μ"/0.76μ Au
50295-1YYYHD	YYY	.180/4.57	"D"		30μ"/0.76μ Au	50295-1YYYHDLF	YYY	.180/4.57	"D"		30μ"/0.76μ Au
50295-3YYYE	YYY	.125/3.18	NONE		50μ"/1.27μ Au	50295-3YYYELF	YYY	.125/3.18	NONE		50μ"/1.27μ Au
50295-3YYYEA	YYY	.125/3.18	"A"		50μ"/1.27μ Au	50295-3YYYEALF	YYY	.125/3.18	"A"		50μ"/1.27μ Au
50295-3YYYEB	YYY	.125/3.18	"B"		50μ"/1.27μ Au	50295-3YYYEBLF	YYY	.125/3.18	"B"		50μ"/1.27μ Au
50295-3YYYEC	YYY	.125/3.18	"C"		50μ"/1.27μ Au	50295-3YYYECLF	YYY	.125/3.18	"C"		50μ"/1.27μ Au
50295-3YYYED	YYY	.125/3.18	"D"		50μ"/1.27μ Au	50295-3YYYEDLF	YYY	.125/3.18	"D"		50μ"/1.27μ Au
50295-3YYYF	YYY	.145/3.68	NONE		50μ"/1.27μ Au	50295-3YYYFLF	YYY	.145/3.68	NONE		50μ"/1.27μ Au
50295-3YYYFB	YYY	.145/3.68	"B"		50μ"/1.27μ Au	50295-3YYYFBLF	YYY	.145/3.68	"B"		50μ"/1.27μ Au
50295-3YYYFC	YYY	.145/3.68	"C"		50μ"/1.27μ Au	50295-3YYYFCLF	YYY	.145/3.68	"C"		50μ"/1.27μ Au
50295-3YYYFD	YYY	.145/3.68	"D"		50μ"/1.27μ Au	50295-3YYYFDLF	YYY	.145/3.68	"D"		50μ"/1.27μ Au
50295-3YYYH	YYY	.180/4.57	NONE		50μ"/1.27μ Au	50295-3YYYHLF	YYY	.180/4.57	NONE		50μ"/1.27μ Au
50295-3YYYHB	YYY	.180/4.57	"B"		50μ"/1.27μ Au	50295-3YYYHBLF	YYY	.180/4.57	"B"		50μ"/1.27μ Au
50295-3YYYHC	YYY	.180/4.57	"C"		50μ"/1.27μ Au	50295-3YYYHCLF	YYY	.180/4.57	"C"		50μ"/1.27μ Au
50295-3YYYHD	YYY	.180/4.57	"D"	TIN-LEAD	50μ"/1.27μ Au	50295-3YYYHDLF	YYY	.180/4.57	"D"	TIN	50μ"/1.27μ Au

TABLE CONTINUED ON SHEET 5

mat'l. code NOTE 3				surface ISO 1302	tolerance ISO 406 ISO 1101	projection	product family HPC	
ltr	ecn no	dr	date	tolerances unless otherwise specified			title	
S				angles	linear	XX±.01/XX±0.3	4 ROW R/A RECEPTACLE	
						XXX±.005/XX±0.13	SOLDER TAIL, 0 GUIDE PIN	
				0'±2'		XXXX±.0020/XXX±0.051	scale	1:1
				dr	G.PETERS	6/4/96	dwg no	sheet 4 of 5 size
				engr	S.CLARK	6/3/96	50295	A3
				chr	S.CLARK	6/4/96		
				appd	S.CLARK	6/4/96		
sheet	revision			type				
index	sheet			Product Customer Drawing				



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PRODUCT NUMBER NOTE 1 AND 2	NUMBER OF POSITIONS SEE NOTE 2	TAIL LENGTH ±.010/0.25	SPECIAL FEATURES SEE NOTE 6	TAIL PLATING	CONTACT PLATING SEE NOTE 10
50295-5YYYE	YYY	.125/3.18	NONE	TIN/LEAD	30μ"/0.76μ GXT
50295-5YYYELF	YYY	.125/3.18	NONE	TIN	
50295-5YYYEA	YYY	.125/3.18	"A"	TIN/LEAD	
50295-5YYYEALF	YYY	.125/3.18	"A"	TIN	
50295-5YYYEB	YYY	.125/3.18	"B"	TIN/LEAD	
50295-5YYYEBLF	YYY	.125/3.18	"B"	TIN	
50295-5YYYEC	YYY	.125/3.18	"C"	TIN/LEAD	
50295-5YYYECLF	YYY	.125/3.18	"C"	TIN	
50295-5YYYED	YYY	.125/3.18	"D"	TIN/LEAD	
50295-5YYYEDLF	YYY	.125/3.18	"D"	TIN	
50295-5YYYF	YYY	.145/3.68	NONE	TIN/LEAD	
50295-5YYYFLF	YYY	.145/3.68	NONE	TIN	
50295-5YYYFB	YYY	.145/3.68	"B"	TIN/LEAD	
50295-5YYYFBLF	YYY	.145/3.68	"B"	TIN	
50295-5YYYFC	YYY	.145/3.68	"C"	TIN/LEAD	
50295-5YYYFCLF	YYY	.145/3.68	"C"	TIN	
50295-5YYYFD	YYY	.145/3.68	"D"	TIN/LEAD	
50295-5YYYFDLF	YYY	.145/3.68	"D"	TIN	
50295-5YYYH	YYY	.180/4.57	NONE	TIN/LEAD	
50295-5YYYHLF	YYY	.180/4.57	NONE	TIN	
50295-5YYYHB	YYY	.180/4.57	"B"	TIN/LEAD	
50295-5YYYHBLF	YYY	.180/4.57	"B"	TIN	
50295-5YYYHC	YYY	.180/4.57	"C"	TIN/LEAD	
50295-5YYYHCLF	YYY	.180/4.57	"C"	TIN	
50295-5YYYHD	YYY	.180/4.57	"D"	TIN/LEAD	
50295-5YYYHDLF	YYY	.180/4.57	"D"	TIN	30μ"/0.76μ GXT

mat'l. code NOTE 3				surface ISO 1502	tolerance ISO 406 ISO 1101	projection	product family HPC	
ltr	ecn no	dr	date	tolerances unless otherwise specified				title
S				angles	linear	XXX.01/XX±0.3	INCH/MM	4 ROW R/A RECEPTACLE
						XXX±.005/XX±0.13		SOLDER TAIL, 0 GUIDE PIN
				0'±2'		XXX±.0020/XXX±0.051	scale 1:1	
				dr	G.PETERS	6/4/96	dwg no	sheet 5 of 5 size
				engr	S.CLARK	6/3/96	50295	A3
				chr	S.CLARK	6/4/96	type Product Customer Drawing	
				appd	S.CLARK	6/4/96		
sheet index	revision sheet							