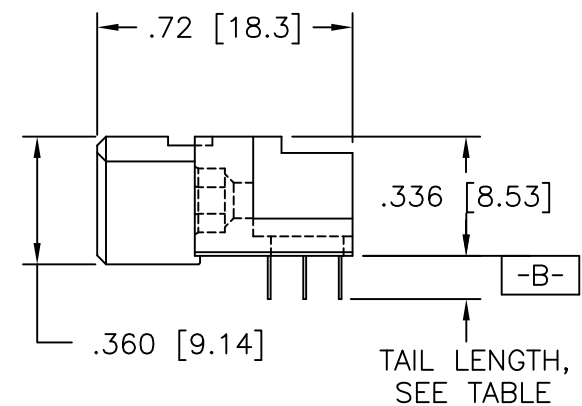
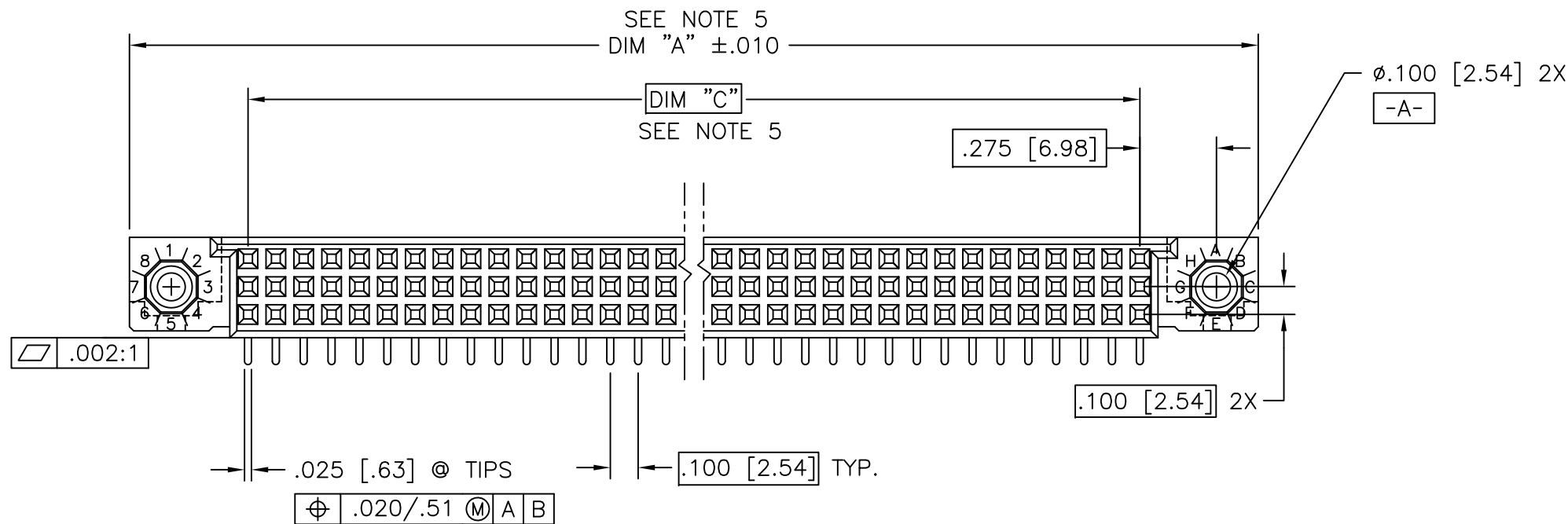
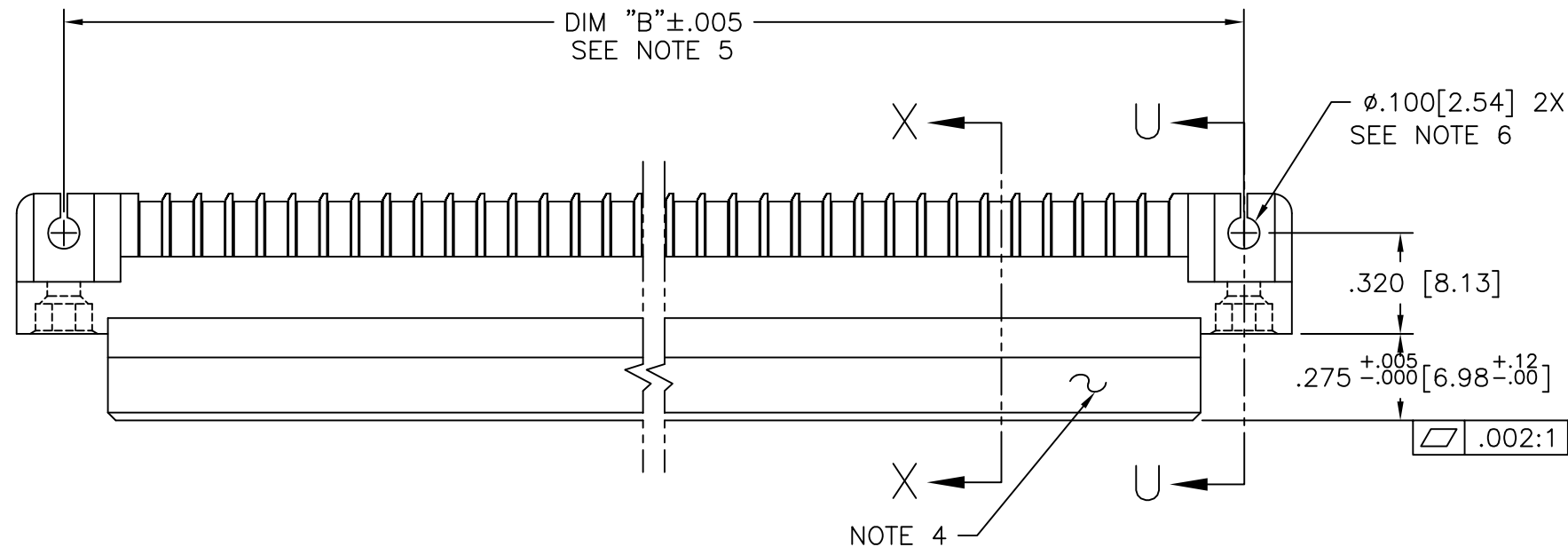




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PRODUCT NUMBER
SEE TABLE



mat'l. code NOTE 3				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection INCH/MM		product family HPC									
ltr	ecn no	dr	date	tolerances unless otherwise specified		linear		scale 1:1		title 3 ROW R/A RECEPTACLE SOLDER TO BOARD, 0 G.P.									
S	ELX-I-22704	MJA	12/04/15	.XX±.01/.X±0.3		.XXX±.005/.XX±0.13		.XXX±.0020/.XXX±0.051		dwg no 50294									
T	ELX-I-24437	MJA	07/04/16	0°±2°						sheet 1 of 6									
M	V05-1052	DAI	11/17/05	dr	G.PETERS	6/5/96				size A3									
N	M06-0283	MHT	7/27/06	enr	S.CLARK	6/3/95													
P	M07-0099	AGS	2/09/07	chr	M JACOB	07/04/16													
R	M08-0280	AGS	9/30/08	appd	BIJU K PAUL	07/04/16													
sheet	revision	T	T	R	S	A				type Product Customer Drawing									
index	sheet	1	2	3	4	5	6												

PRODUCT NUMBER
SEE TABLE

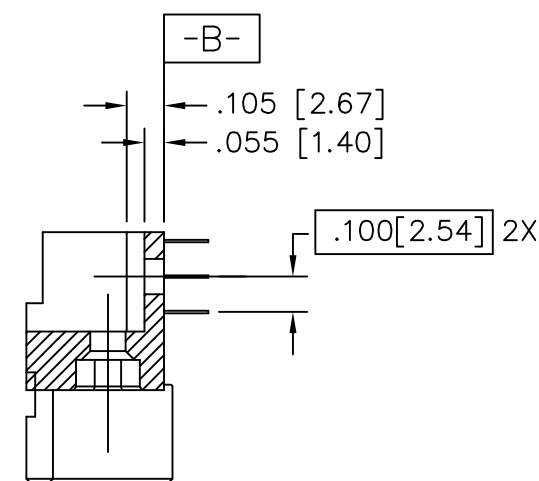
NOTES:

- ①. PRODUCT NUMBERING CODE:
50294 - 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

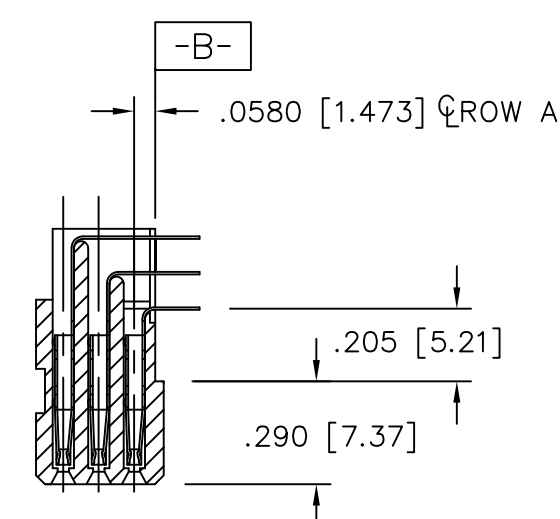
PRODUCT NUMBERING CODE FOR
SELECT LOAD PART NUMBERS:

- 50294 - XXYYY LF
- LEAD FREE (OPTIONAL)
SEQUENCE NUMBER
ALWAYS 'XX'
BASE NUMBER

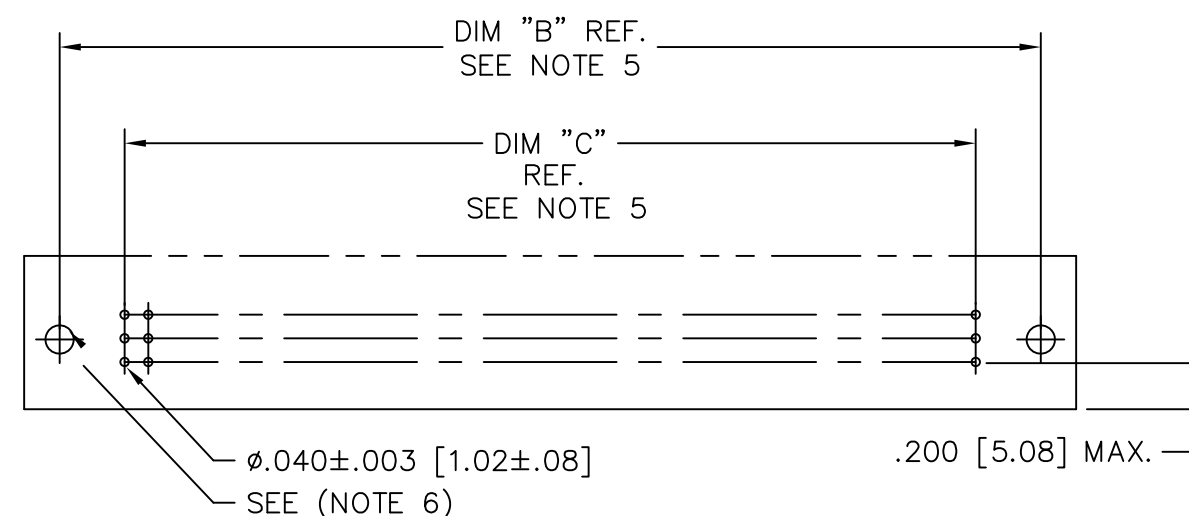
- ②. THIS PRODUCT IS CONFIGURED IN SIZES OF 6 thru 80 COLUMNS IN INCREMENTS OF ONE.
i.e.: 6,7,8,9.....79,80.
- ③. HOUSING MATERIAL: GLASS & MINERAL FILLED HIGH-TEMP THERMOPLASTIC,
FLAME RETARDANT PER UL94 V-0.
CONTACT MATERIAL: BeCu
- ④. MANUFACTURE'S NAME, PART NUMBER AND LOT CODE TO
APPEAR ON THIS 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. P.C.B. MOUNTING HOLE DIMENSION TO BE $\phi.120[3.05]$.
"A" = IF SPECIFIED, PRE-INSTALLED CLAW FOR P.C.B. ATTACHMENT
IN A $\phi.100[2.54]$ P.C.B. MOUNTING HOLE. AVAILABLE IN "E" TAIL LENGTH ONLY.
"B" = IF SPECIFIED, PRE-INSTALLED CLAW FOR P.C.B. ATTACHMENT
IN A $\phi.120[3.05]$ P.C.B. MOUNTING HOLE.
"C" = IF SPECIFIED, MOLDED GUIDE PINS WITH PRE-INSTALLED CLAW
FOR P.C.B. ATTACHMENT IN A $\phi.120[3.05]$ P.C.B. MOUNTING HOLE.
"D" = IF SPECIFIED, MOLDED GUIDE PINS WITH $\phi.120[3.05]$ P.C.B. 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.
- ⑪. FOR P/Ns 50294-1165HLF & 50294-1210HLF, PLEASE CONTACT PRODUCT MANAGER.



SECTION U-U
NO SPECIAL FEATURE



SECTION X-X

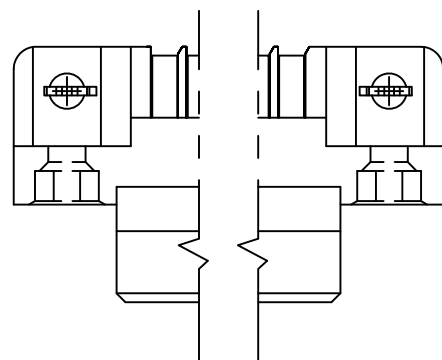


RECOMMENDED PCB LAYOUT
(ALL HOLES LOCATED ON $.100 [2.54]$ GRID
UNLESS OTHERWISE SPECIFIED)

mat'l. code NOTE 3				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection INCH/MM	product family HPC			
ltr	ecn	no	dr	date	tolerances unless otherwise specified	scale 1:1	title 3 ROW R/A RECEPTACLE SOLDER TO BOARD, 0 G.P.			
T					angles linear		dwg no 50294			
					0°±2°					
				dr	G.PETERS	6/5/96	sheet 2 of 6			
				enr	S.CLARK	6/3/95	size A3			
				chr	M JACOB	07/04/16	type Product Customer Drawing			
				appd	BIJU K PAUL	07/04/16				
sheet index	revision sheet									

PRODUCT NUMBER

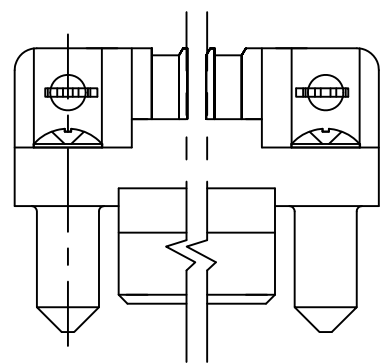
SEE TABLE



SECTION U-U

SPECIAL FEATURE OPTION "A"

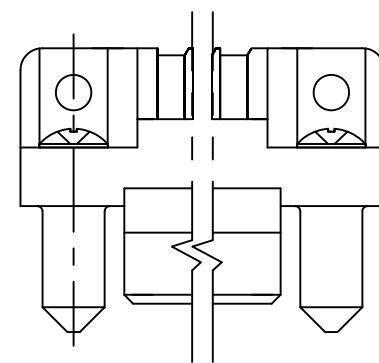
SEE NOTE 6



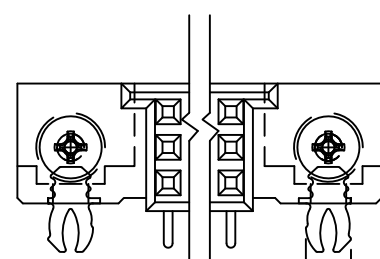
SECTION U-U

SPECIAL FEATURE OPTION "B"

SEE NOTE 6



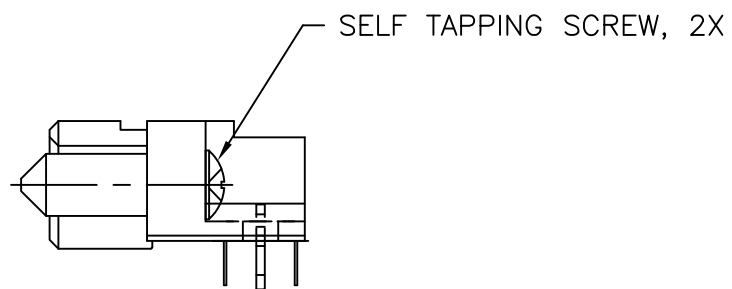
SECTION U-U



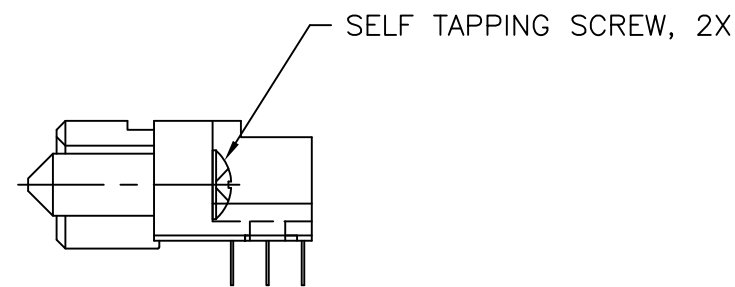
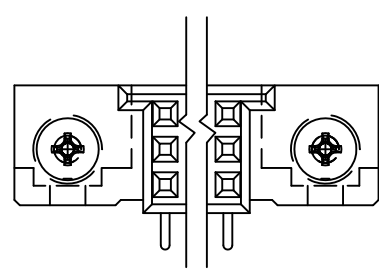
SEE NOTE 7

SPECIAL FEATURE OPTION "C"

SEE NOTE 6



SELF TAPPING SCREW, 2X



SELF TAPPING SCREW, 2X

SPECIAL FEATURE OPTION "D"

SEE NOTE 6

mat'l. code NOTE 3				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection INCH/MM	product family HPC			
ltr	ecn	no	dr	date	tolerances unless otherwise specified	scale 1:1	title 3 ROW R/A RECEPTACLE SOLDER TO BOARD, 0 G.P.			
R					angles 0°±2°					
					linear .XX±.01/.X±0.3 .XXX±.005/.XX±0.13 .XXXX±.0020/.XXX±0.051					
					dr	G.PETERS	6/5/96	dwg no		sheet 3 of 6
					enr	S.CLARK	6/3/95	50294		A3
					chr	S.CLARK	6/5/95			
					appd	S.CLARK	6/5/95	type		Product Customer Drawing
sheet index	revision	sheet								



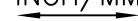
D

form: A3

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
50294-1YYYE	YYY	.125/3.18	NONE	TIN-LEAD	30μ"/0.76μ Au
50294-1YYYEA	YYY	.125/3.18	"A"		30μ"/0.76μ Au
50294-1YYYEB	YYY	.125/3.18	"B"		30μ"/0.76μ Au
50294-1YYYEC	YYY	.125/3.18	"C"		30μ"/0.76μ Au
50294-1YYYED	YYY	.125/3.18	"D"		30μ"/0.76μ Au
50294-1YYYF	YYY	.145/3.68	NONE		30μ"/0.76μ Au
50294-1YYYFB	YYY	.145/3.68	"B"		30μ"/0.76μ Au
50294-1YYYFC	YYY	.145/3.68	"C"		30μ"/0.76μ Au
50294-1YYYFD	YYY	.145/3.68	"D"		30μ"/0.76μ Au
50294-1YYYH	YYY (SEE NOTE 11)	.180/4.57	NONE		30μ"/0.76μ Au
50294-1YYYHB	YYY	.180/4.57	"B"		30μ"/0.76μ Au
50294-1YYYHC	YYY	.180/4.57	"C"		30μ"/0.76μ Au
50294-1YYYHD	YYY	.180/4.57	"D"		30μ"/0.76μ Au
50294-3YYYE	YYY	.125/3.18	NONE		50μ"/1.27μ Au
50294-3YYYEA	YYY	.125/3.18	"A"		50μ"/1.27μ Au
50294-3YYYEB	YYY	.125/3.18	"B"		50μ"/1.27μ Au
50294-3YYYEC	YYY	.125/3.18	"C"		50μ"/1.27μ Au
50294-3YYYED	YYY	.125/3.18	"D"		50μ"/1.27μ Au
50294-3YYYF	YYY	.145/3.68	NONE		50μ"/1.27μ Au
50294-3YYYFB	YYY	.145/3.68	"B"		50μ"/1.27μ Au
50294-3YYYFC	YYY	.145/3.68	"C"		50μ"/1.27μ Au
50294-3YYYFD	YYY	.145/3.68	"D"		50μ"/1.27μ Au
50294-3YYYH	YYY	.180/4.57	NONE		50μ"/1.27μ Au
50294-3YYYHB	YYY	.180/4.57	"B"		50μ"/1.27μ Au
50294-3YYYHC	YYY	.180/4.57	"C"		50μ"/1.27μ Au
50294-3YYYHD	YYY	.180/4.57	"D"	TIN-LEAD	50μ"/1.27μ Au

TABLE CONTINUED ON SHEET 5

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
50294-1YYYELF	YYY	.125/3.18	NONE	TIN	30μ"/0.76μ Au
50294-1YYYEALF	YYY	.125/3.18	"A"		30μ"/0.76μ Au
50294-1YYYEBLF	YYY	.125/3.18	"B"		30μ"/0.76μ Au
50294-1YYYECLF	YYY	.125/3.18	"C"		30μ"/0.76μ Au
50294-1YYYEDLF	YYY	.125/3.18	"D"		30μ"/0.76μ Au
50294-1YYYFLF	YYY	.145/3.68	NONE		30μ"/0.76μ Au
50294-1YYYFBLF	YYY	.145/3.68	"B"		30μ"/0.76μ Au
50294-1YYYFCLF	YYY	.145/3.68	"C"		30μ"/0.76μ Au
50294-1YYYFDLF	YYY	.145/3.68	"D"		30μ"/0.76μ Au
50294-1YYYHLF	YYY	.180/4.57	NONE		30μ"/0.76μ Au
50294-1YYYHBLF	YYY	.180/4.57	"B"		30μ"/0.76μ Au
50294-1YYYHCLF	YYY	.180/4.57	"C"		30μ"/0.76μ Au
50294-1YYYHDLF	YYY	.180/4.57	"D"		30μ"/0.76μ Au
50294-3YYYELF	YYY	.125/3.18	NONE		50μ"/1.27μ Au
50294-3YYYEALF	YYY	.125/3.18	"A"		50μ"/1.27μ Au
50294-3YYYEBLF	YYY	.125/3.18	"B"		50μ"/1.27μ Au
50294-3YYYECLF	YYY	.125/3.18	"C"		50μ"/1.27μ Au
50294-3YYYEDLF	YYY	.125/3.18	"D"		50μ"/1.27μ Au
50294-3YYYFLF	YYY	.145/3.68	NONE		50μ"/1.27μ Au
50294-3YYYFBLF	YYY	.145/3.68	"B"		50μ"/1.27μ Au
50294-3YYYFCLF	YYY	.145/3.68	"C"		50μ"/1.27μ Au
50294-3YYYFDLF	YYY	.145/3.68	"D"		50μ"/1.27μ Au
50294-3YYYHLF	YYY	.180/4.57	NONE		50μ"/1.27μ Au
50294-3YYYHBLF	YYY	.180/4.57	"B"		50μ"/1.27μ Au
50294-3YYYHCLF	YYY	.180/4.57	"C"		50μ"/1.27μ Au
50294-3YYYHDLF	YYY	.180/4.57	"D"	TIN	50μ"/1.27μ Au

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 3 ROW R/A RECEPTACLE SOLDER TO BOARD, 0 G.P.									
S					angles	linear	.XX±.01/.X±0.3			INCH/MM 														
							.XXX±.005/.XX±0.13																	
					0°±2°		.XXX±.0020/.XXX±0.051						scale 1:1 											
					dr	G.PETERS	6/5/96			dwg no 50294 sheet 4 of 6 size A3														
					engr	S.CLARK	6/3/95																	
					chr	M JACOB	12/04/15																	
					appd	BIJU K PAUL	12/04/15						type Product Customer Drawing											
sheet index		revision sheet																						

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PRODUCT NUMBER	ITEM KEY	SIGNAL DATA																							
		SIZE 3 x 55								TOTAL NO. OF POSITIONS -165								NO. OF POSITIONS LOADED - 107							
		PLATING				QTY.				R/A RECEPTACLE STYLE															
										MATING LENGTH						TAIL LENGTH									
50294-XX001LF	A	SEE SHEET 5				45				N/A						.180 [4.57]									
	B	SEE SHEET 5				17				N/A						.180 [4.57]									
	C	SEE SHEET 5				45				N/A						.180 [4.57]									

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C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	
																								B	B	B	B	B	B
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	

TERM.
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	C		C		C		C		C		C		C		C	
		B		B		B		B		B		B		B		B
A		A		A		A		A		A		A		A		A

1. ALL POSITIONS ARE LOADED, EXCEPT WHERE NOTED.

2. COLUMN 1, ROW A IS DESIGNATED AS SIGNAL TERM. 1, AS VIEWED FROM THE MATING FACE.

mat'l. code				surface		tolerance		projection		product family											
NOTE 3				ISO 1302		ISO 406				HPC											
ltr		ecn no		dr		date		tolerances unless otherwise specified				title									
A								angles													
								linear													
								0°±2°		.XX±.01/.X±0.3		scale 1:1									
										.XXX±.005/.XX±0.13											
										.XXXX±.0020/.XXX±0.051											
								dr		M JACOB		12/04/15				dwg no		sheet 6 of 6		size	
								enr		M JACOB		12/04/15									
								chr		M. JACOB		12/04/15									
								appd		BIJU K PAUL		12/04/15									
sheet index		revision sheet																			

form: A3

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PDS: Rev :T

STATUS:Released

Printed: Jul 05, 2016

Mouser Electronics

Authorized Distributor

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[50294-5042E](#)