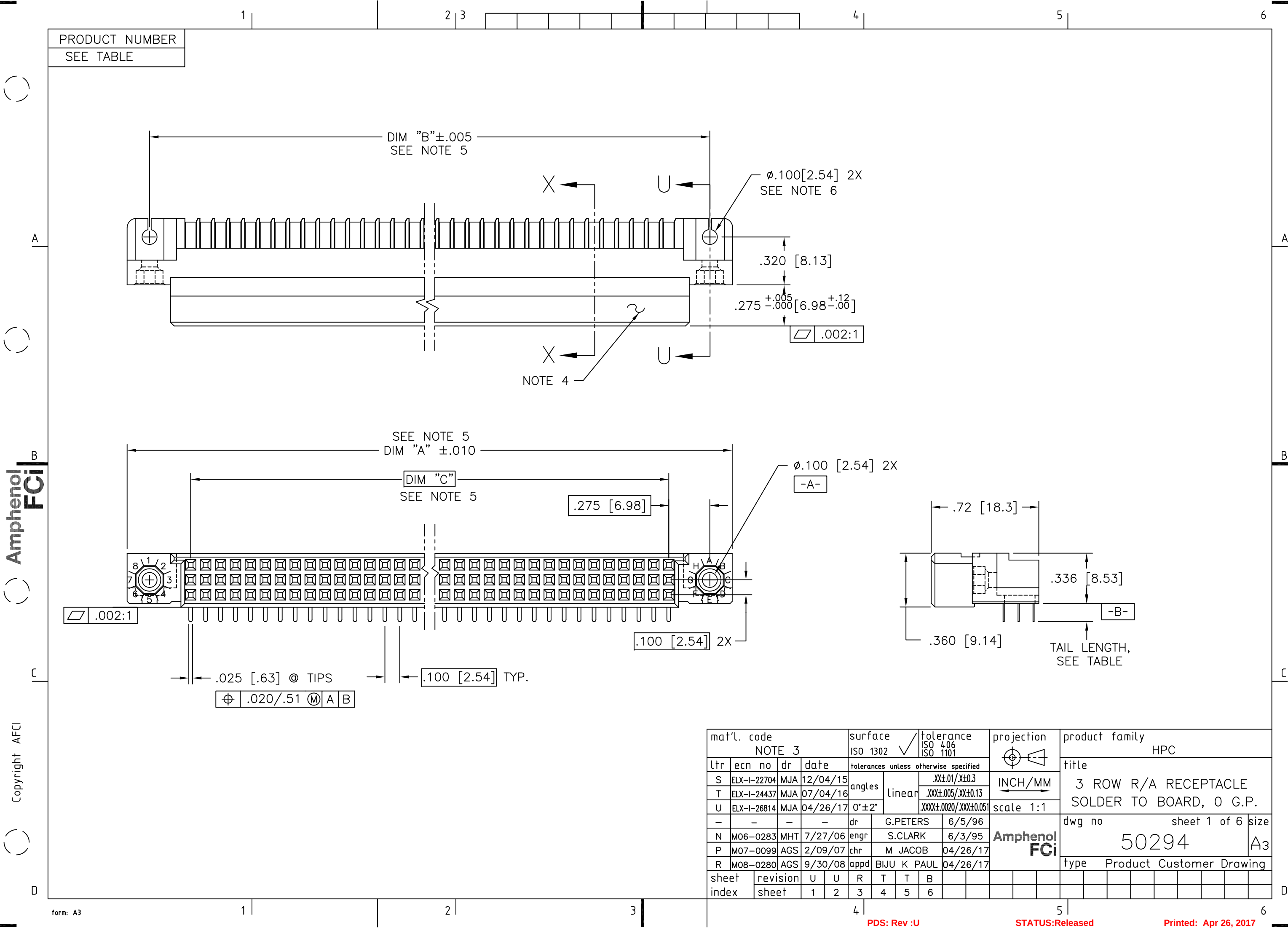




PRODUCT NUMBER
SEE TABLE

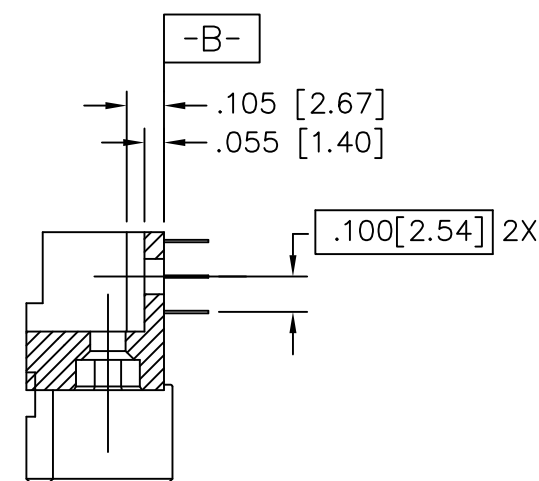
NOTES:

- 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

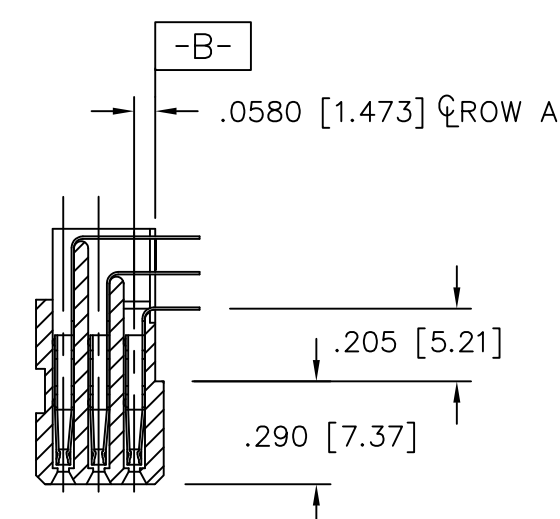
PRODUCT NUMBERING CODE FOR
SELECT LOAD PART NUMBERS:

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

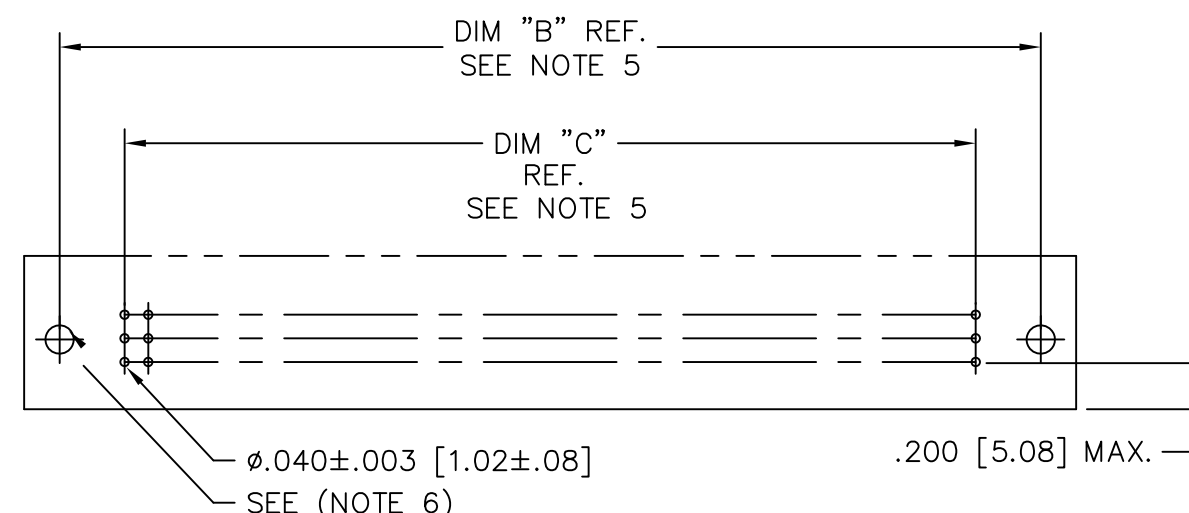
- ②. THIS PRODUCT IS CONFIGURED IN SIZES OF 6 thru 80 COLUMNS IN INCREMENTS OF ONE.
i.e.: 6,7,8,9.....79,80.
- ③. HOUSING MATERIAL: GLASS & MINERAL FILLED HIGH-TEMP THERMOPLASTIC,
FLAME RETARDANT PER UL94 V-0.
CONTACT MATERIAL: BeCu
- ④. MANUFACTURE'S NAME, PART NUMBER AND LOT CODE TO
APPEAR ON THIS 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 & 50294-XX001LF PLEASE CONTACT PRODUCT MANAGER.



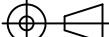
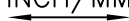
SECTION U-U
NO SPECIAL FEATURE



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 		product family HPC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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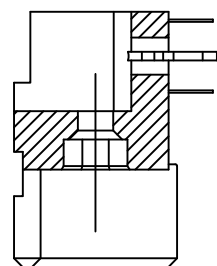
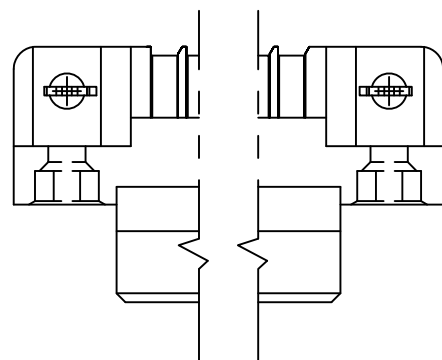
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FCi

Copyright AFci

PRODUCT NUMBER

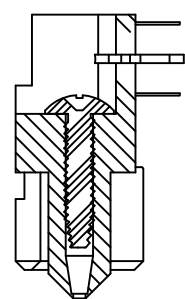
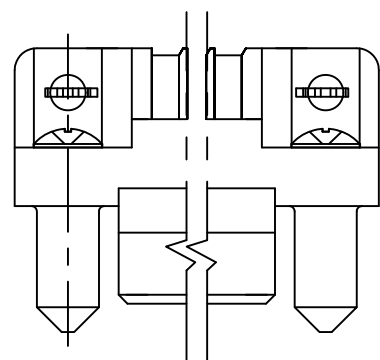
SEE TABLE



SECTION U-U

SPECIAL FEATURE OPTION "A"

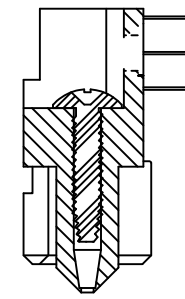
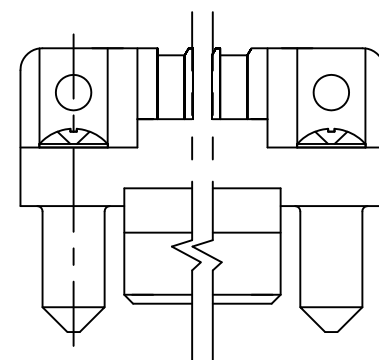
SEE NOTE 6



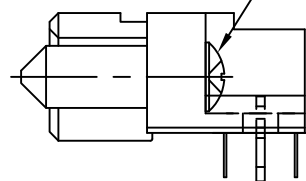
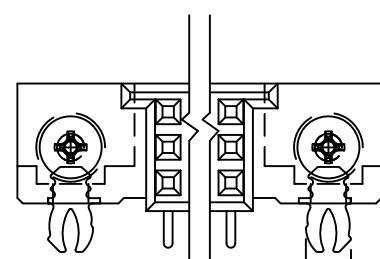
SECTION U-U

SPECIAL FEATURE OPTION "B"

SEE NOTE 6



SECTION U-U

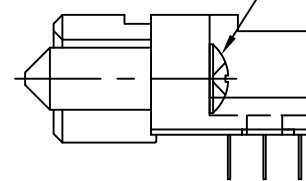
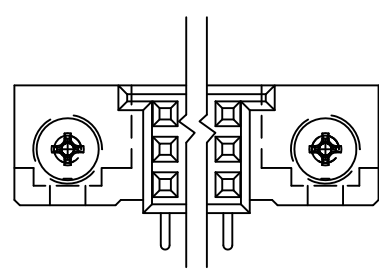


SELF TAPPING SCREW, 2X

SEE NOTE 7

SPECIAL FEATURE OPTION "C"

SEE NOTE 6



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	linear		dwg no 50294			
				0°±2°						
				dr	G.PETERS	6/5/96	Amphenol FCi		sheet 3 of 6	size
				engr	S.CLARK	6/3/95				A3
				chr	S.CLARK	6/5/95				
				appd	S.CLARK	6/5/95	type Product Customer Drawing			
sheet index	revision sheet									

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
50294-1YYYY	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
50294-1YYYYF	YYY	.145/3.68	NONE		30μ"/0.76μ Au
50294-1YYYYFB	YYY	.145/3.68	"B"		30μ"/0.76μ Au
50294-1YYYYFC	YYY	.145/3.68	"C"		30μ"/0.76μ Au
50294-1YYYYFD	YYY	.145/3.68	"D"		30μ"/0.76μ Au
50294-1YYYYH	YYY	.180/4.57	NONE		30μ"/0.76μ Au
50294-1YYYYHB	YYY	.180/4.57	"B"		30μ"/0.76μ Au
50294-1YYYYHC	YYY	.180/4.57	"C"		30μ"/0.76μ Au
50294-1YYYYHD	YYY	.180/4.57	"D"		30μ"/0.76μ Au
50294-3YYYY	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
50294-3YYYYF	YYY	.145/3.68	NONE		50μ"/1.27μ Au
50294-3YYYYFB	YYY	.145/3.68	"B"		50μ"/1.27μ Au
50294-3YYYYFC	YYY	.145/3.68	"C"		50μ"/1.27μ Au
50294-3YYYYFD	YYY	.145/3.68	"D"		50μ"/1.27μ Au
50294-3YYYYH	YYY	.180/4.57	NONE		50μ"/1.27μ Au
50294-3YYYYHB	YYY	.180/4.57	"B"		50μ"/1.27μ Au
50294-3YYYYHC	YYY	.180/4.57	"C"		50μ"/1.27μ Au
50294-3YYYYHD	YYY	.180/4.57	"D"	TIN-LEAD	50μ"/1.27μ Au

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 (SEE NOTE 11)	.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

TABLE CONTINUED ON SHEET 5

[illegible]

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
50294-5YYYE	YYY	.125/3.18	NONE	TIN/LEAD	30μ"/0.76μ GXT
50294-5YYYELF	YYY	.125/3.18	NONE	TIN	
50294-5YYYEA	YYY	.125/3.18	"A"	TIN/LEAD	
50294-5YYYEALF	YYY	.125/3.18	"A"	TIN	
50294-5YYYEB	YYY	.125/3.18	"B"	TIN/LEAD	
50294-5YYYEBLF	YYY	.125/3.18	"B"	TIN	
50294-5YYYEC	YYY	.125/3.18	"C"	TIN/LEAD	
50294-5YYYECLF	YYY	.125/3.18	"C"	TIN	
50294-5YYYED	YYY	.125/3.18	"D"	TIN/LEAD	
50294-5YYYEDLF	YYY	.125/3.18	"D"	TIN	
50294-5YYYYF	YYY	.145/3.68	NONE	TIN/LEAD	
50294-5YYYYFLF	YYY	.145/3.68	NONE	TIN	
50294-5YYYYFB	YYY	.145/3.68	"B"	TIN/LEAD	
50294-5YYYYBLF	YYY	.145/3.68	"B"	TIN	
50294-5YYYYFC	YYY	.145/3.68	"C"	TIN/LEAD	
50294-5YYYYFCLF	YYY	.145/3.68	"C"	TIN	
50294-5YYYYFD	YYY	.145/3.68	"D"	TIN/LEAD	
50294-5YYYYFDLF	YYY	.145/3.68	"D"	TIN	
50294-5YYYYH	YYY	.180/4.57	NONE	TIN/LEAD	
50294-5YYYYHLF	YYY	.180/4.57	NONE	TIN	
50294-5YYYYHB	YYY	.180/4.57	"B"	TIN/LEAD	
50294-5YYYYHBLF	YYY	.180/4.57	"B"	TIN	
50294-5YYYYHC	YYY	.180/4.57	"C"	TIN/LEAD	
50294-5YYYYHCLF	YYY	.180/4.57	"C"	TIN	
50294-5YYYYHD	YYY	.180/4.57	"D"	TIN/LEAD	
50294-5YYYYHDLF	YYY	.180/4.57	"D"	TIN	30μ"/0.76μ GXT
50294-XX001LF	165 (SEE NOTE 11)	.180/4.57	NONE	TIN	30μ"/0.76μ Au

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[illegible]

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PRODUCT NUMBER (SEE NOTE 11)	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	C	
																								B	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	A	

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45

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36

	C		C		C		C		C		C		C		C		C		
		B		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																			
B								angles												linear											
								0°±2°																							
												scale 1:1		dwg no																	
														sheet 6 of 6																	
														size																	
														A3																	
														type																	
														Product Customer Drawing																	
sheet index		revision sheet																													

form: A3

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PDS: Rev :U

STATUS:Released

Printed: Apr 26, 2017

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

FCI / Amphenol:

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