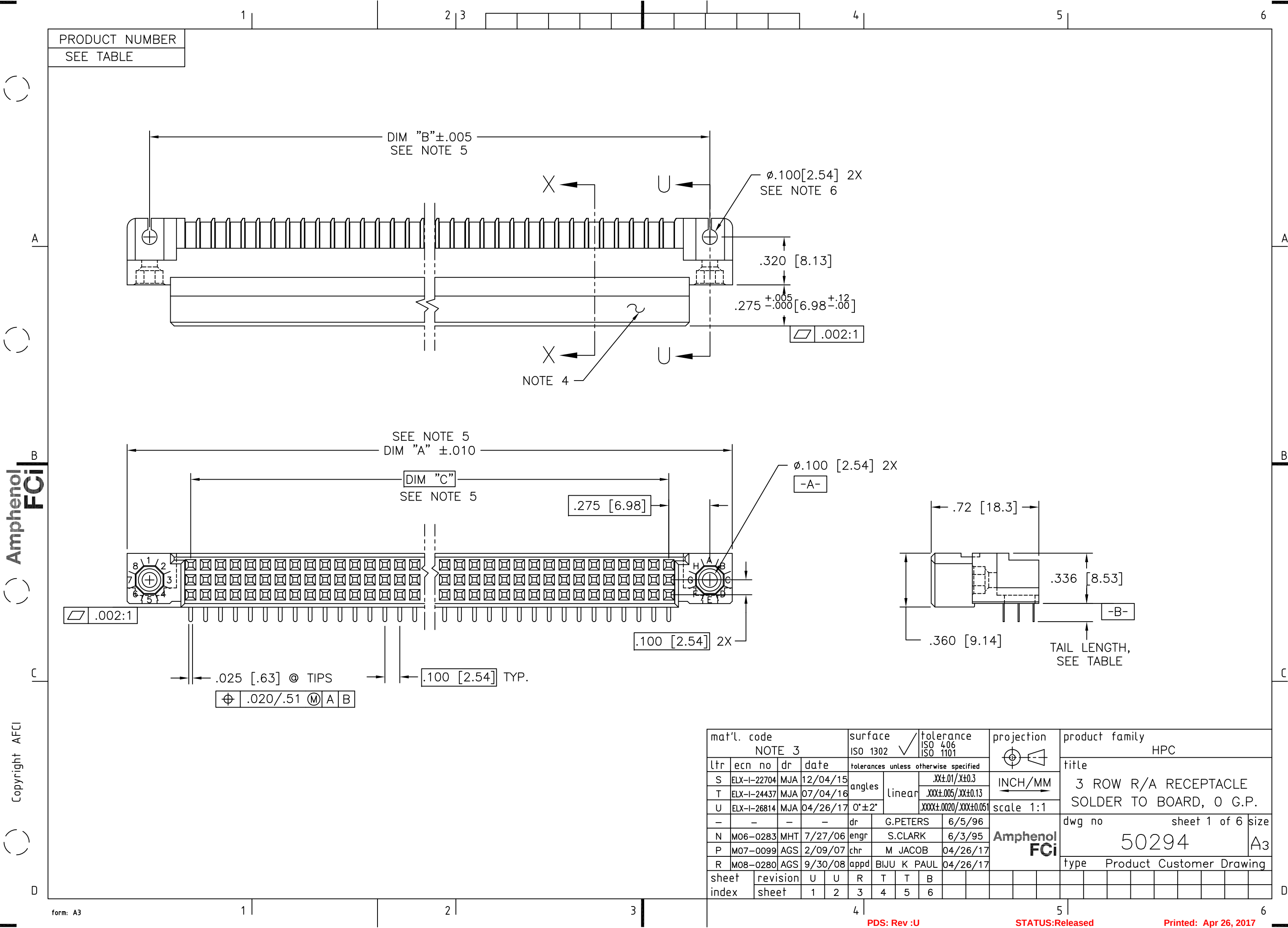




PRODUCT NUMBER
SEE TABLE

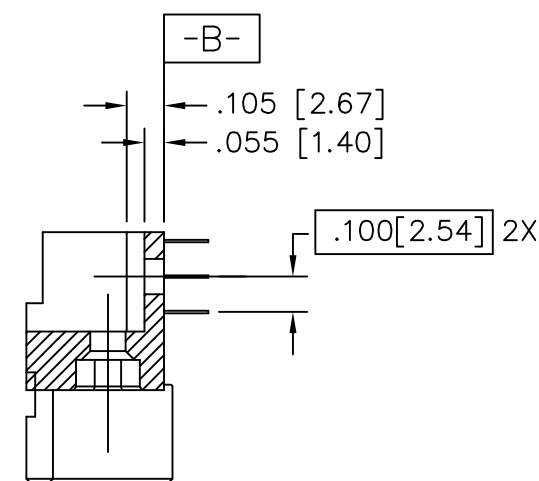
NOTES:

- 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

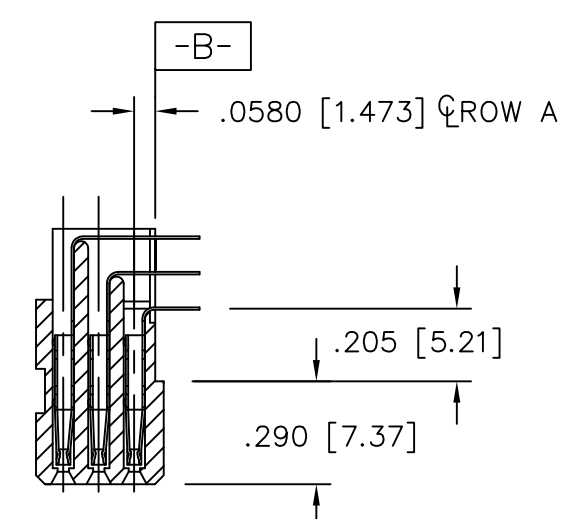
PRODUCT NUMBERING CODE FOR
SELECT LOAD PART NUMBERS:

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

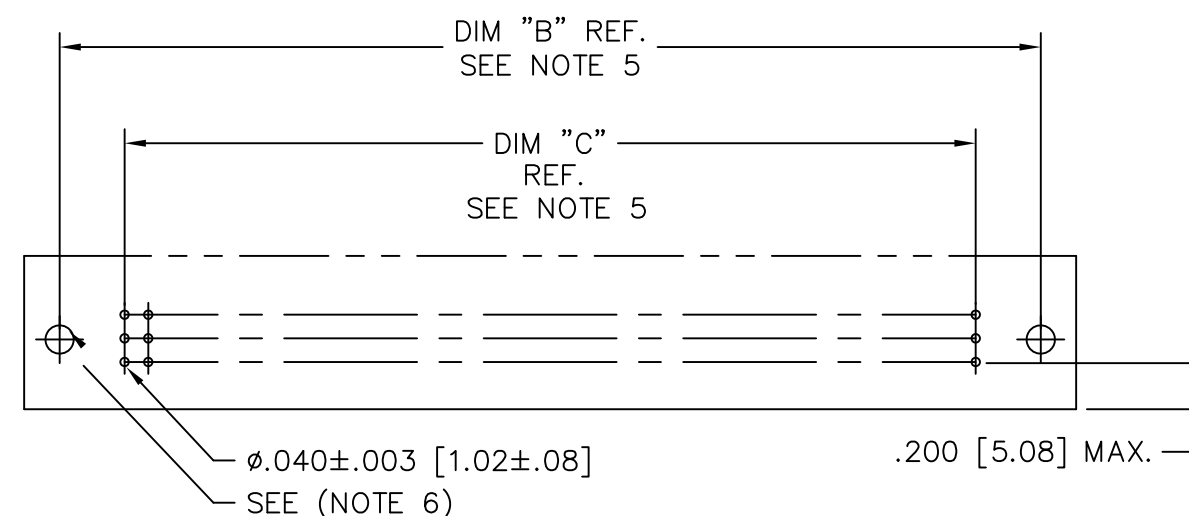
- ②. THIS PRODUCT IS CONFIGURED IN SIZES OF 6 thru 80 COLUMNS IN INCREMENTS OF ONE.
i.e.: 6,7,8,9.....79,80.
- ③. HOUSING MATERIAL: GLASS & MINERAL FILLED HIGH-TEMP THERMOPLASTIC,
FLAME RETARDANT PER UL94 V-0.
CONTACT MATERIAL: BeCu
- ④. MANUFACTURE'S NAME, PART NUMBER AND LOT CODE TO
APPEAR ON THIS 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 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.			
U					linear .XX±.01/.X±0.3 .XXX±.005/.XX±0.13 .XXX±.0020/.XXX±0.051		dwg no 50294			
					angles 0°±2°		sheet 2 of 6 size A3			
				dr	G.PETERS	6/5/96	Amphenol FCi			
				enr	S.CLARK	6/3/95				
				chr	M JACOB	04/26/17				
				appd	BIJU K PAUL	04/26/17	type Product Customer Drawing			
sheet index	revision sheet									

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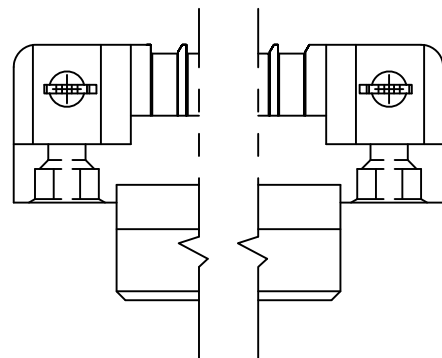
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Amphenol
FCi

Copyright AFci

PRODUCT NUMBER

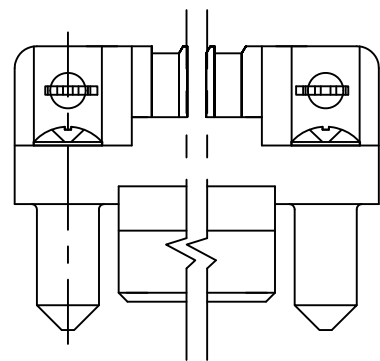
SEE TABLE



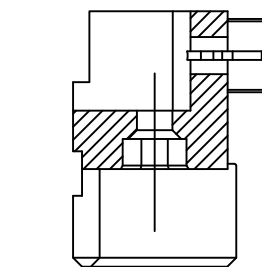
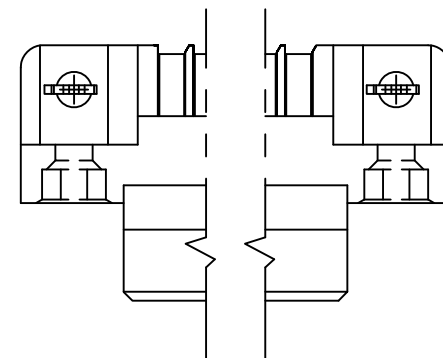
SECTION U-U

SPECIAL FEATURE OPTION "A"

SEE NOTE 6



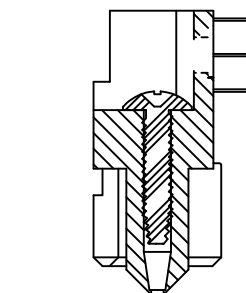
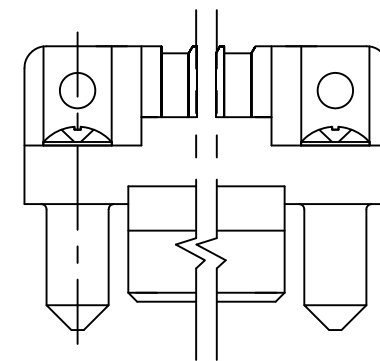
SECTION U-U



SECTION U-U

SPECIAL FEATURE OPTION "B"

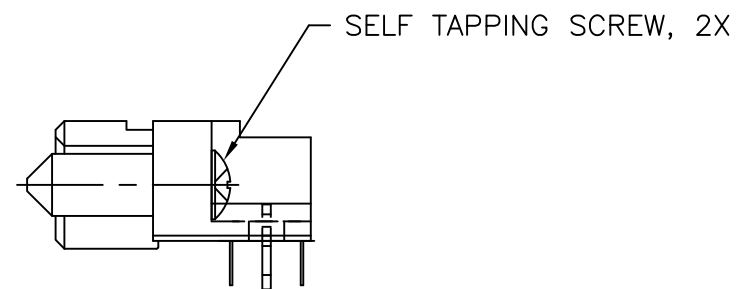
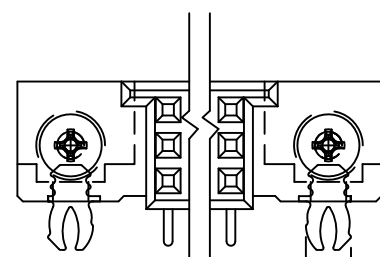
SEE NOTE 6



SECTION U-U

SPECIAL FEATURE OPTION "D"

SEE NOTE 6

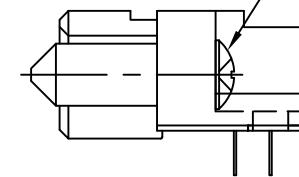
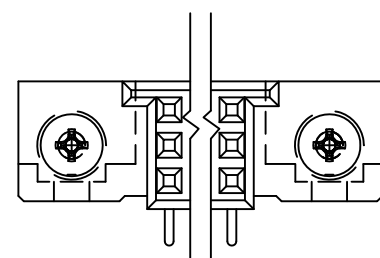


SELF TAPPING SCREW, 2X

SEE NOTE 7

SPECIAL FEATURE OPTION "C"

SEE NOTE 6



SELF TAPPING SCREW, 2X

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	INCH/MM 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	Amphenol FCi	dwg no	sheet 3 of 6
					engr	S.CLARK	6/3/95		50294	size A3
					chr	S.CLARK	6/5/95			
					appd	S.CLARK	6/5/95		type	Product Customer Drawing
sheet index	revision sheet									

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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	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	50294-1YYYELF	YYY	.125/3.18	NONE	TIN	30μ"/0.76μ Au
50294-1YYYEA	YYY	.125/3.18	"A"		30μ"/0.76μ Au	50294-1YYYEALF	YYY	.125/3.18	"A"		30μ"/0.76μ Au
50294-1YYYEB	YYY	.125/3.18	"B"		30μ"/0.76μ Au	50294-1YYYEBLF	YYY	.125/3.18	"B"		30μ"/0.76μ Au
50294-1YYYEC	YYY	.125/3.18	"C"		30μ"/0.76μ Au	50294-1YYYECLF	YYY	.125/3.18	"C"		30μ"/0.76μ Au
50294-1YYYED	YYY	.125/3.18	"D"		30μ"/0.76μ Au	50294-1YYYEDLF	YYY	.125/3.18	"D"		30μ"/0.76μ Au
50294-1YYYF	YYY	.145/3.68	NONE		30μ"/0.76μ Au	50294-1YYYFLF	YYY	.145/3.68	NONE		30μ"/0.76μ Au
50294-1YYYFB	YYY	.145/3.68	"B"		30μ"/0.76μ Au	50294-1YYYFBLF	YYY	.145/3.68	"B"		30μ"/0.76μ Au
50294-1YYYFC	YYY	.145/3.68	"C"		30μ"/0.76μ Au	50294-1YYYFCLF	YYY	.145/3.68	"C"		30μ"/0.76μ Au
50294-1YYYFD	YYY	.145/3.68	"D"		30μ"/0.76μ Au	50294-1YYYFDLF	YYY	.145/3.68	"D"		30μ"/0.76μ Au
50294-1YYYH	YYY	.180/4.57	NONE		30μ"/0.76μ Au	50294-1YYYHLF	YYY (SEE NOTE 11)	.180/4.57	NONE		30μ"/0.76μ Au
50294-1YYYHB	YYY	.180/4.57	"B"		30μ"/0.76μ Au	50294-1YYYHBLF	YYY	.180/4.57	"B"		30μ"/0.76μ Au
50294-1YYYHC	YYY	.180/4.57	"C"		30μ"/0.76μ Au	50294-1YYYHCLF	YYY	.180/4.57	"C"		30μ"/0.76μ Au
50294-1YYYHD	YYY	.180/4.57	"D"		30μ"/0.76μ Au	50294-1YYYHDLF	YYY	.180/4.57	"D"		30μ"/0.76μ Au
50294-3YYYE	YYY	.125/3.18	NONE		50μ"/1.27μ Au	50294-3YYYELF	YYY	.125/3.18	NONE		50μ"/1.27μ Au
50294-3YYYEA	YYY	.125/3.18	"A"		50μ"/1.27μ Au	50294-3YYYEALF	YYY	.125/3.18	"A"		50μ"/1.27μ Au
50294-3YYYEB	YYY	.125/3.18	"B"		50μ"/1.27μ Au	50294-3YYYEBLF	YYY	.125/3.18	"B"		50μ"/1.27μ Au
50294-3YYYEC	YYY	.125/3.18	"C"		50μ"/1.27μ Au	50294-3YYYECLF	YYY	.125/3.18	"C"		50μ"/1.27μ Au
50294-3YYYED	YYY	.125/3.18	"D"		50μ"/1.27μ Au	50294-3YYYEDLF	YYY	.125/3.18	"D"		50μ"/1.27μ Au
50294-3YYYF	YYY	.145/3.68	NONE		50μ"/1.27μ Au	50294-3YYYFLF	YYY	.145/3.68	NONE		50μ"/1.27μ Au
50294-3YYYFB	YYY	.145/3.68	"B"		50μ"/1.27μ Au	50294-3YYYFBLF	YYY	.145/3.68	"B"		50μ"/1.27μ Au
50294-3YYYFC	YYY	.145/3.68	"C"		50μ"/1.27μ Au	50294-3YYYFCLF	YYY	.145/3.68	"C"		50μ"/1.27μ Au
50294-3YYYFD	YYY	.145/3.68	"D"		50μ"/1.27μ Au	50294-3YYYFDLF	YYY	.145/3.68	"D"		50μ"/1.27μ Au
50294-3YYYH	YYY	.180/4.57	NONE		50μ"/1.27μ Au	50294-3YYYHLF	YYY	.180/4.57	NONE		50μ"/1.27μ Au
50294-3YYYHB	YYY	.180/4.57	"B"		50μ"/1.27μ Au	50294-3YYYHBLF	YYY	.180/4.57	"B"		50μ"/1.27μ Au
50294-3YYYHC	YYY	.180/4.57	"C"		50μ"/1.27μ Au	50294-3YYYHCLF	YYY	.180/4.57	"C"		50μ"/1.27μ Au
50294-3YYYHD	YYY	.180/4.57	"D"	TIN-LEAD	50μ"/1.27μ Au	50294-3YYYHDLF	YYY	.180/4.57	"D"	TIN	50μ"/1.27μ Au

TABLE CONTINUED ON SHEET 5

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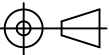
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mat'l. code NOTE 3				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family HPC			
ltr	ecn	no	dr	date	tolerances unless otherwise specified		INCH/MM		title				
T					angles linear	.XX±.01/.X±0.3	scale 1:1		3 ROW R/A RECEPTACLE SOLDER TO BOARD, 0 G.P.				
						.XXX±.005/.XX±0.13							
				0°±2°		.XXXX±.0020/.XXX±0.051							
					dr	G.PETERS	6/5/96	Amphenol FCI		dwg no		sheet 4 of 6	size
					enr	S.CLARK	6/3/95			50294		A3	
					chr	M JACOB	04/26/17						
					appd	BIJU K PAUL	04/26/17						
sheet index		revision sheet								type Product Customer Drawing			

form: A3

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PDS: Rev :U

STATUS:Released

Printed: Apr 26, 2017

Amphenol
FCi

Copyright FCI

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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
50294-5YYYY	YYY	.125/3.18	NONE	TIN/LEAD	30μ"/0.76μ GXT
50294-5YYYYELF	YYY	.125/3.18	NONE	TIN	
50294-5YYYYEA	YYY	.125/3.18	"A"	TIN/LEAD	
50294-5YYYYEALF	YYY	.125/3.18	"A"	TIN	
50294-5YYYYEB	YYY	.125/3.18	"B"	TIN/LEAD	
50294-5YYYYEBLF	YYY	.125/3.18	"B"	TIN	
50294-5YYYYEC	YYY	.125/3.18	"C"	TIN/LEAD	
50294-5YYYYECLF	YYY	.125/3.18	"C"	TIN	
50294-5YYYYED	YYY	.125/3.18	"D"	TIN/LEAD	
50294-5YYYYEDLF	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	
50294-5YYYYFBLF	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

mat'l. code
NOTE 3

ltr
T

ecn no

dr

date

surface
ISO 1302 ✓

tolerance
ISO 406
ISO 1101

tolerances unless otherwise specified

angles
0°±2°

linear

dr
G.PETERS

enr
S.CLARK

chr
M JACOB

appd
BIJU K PAUL

sheet index

revision sheet

projection
INCH/MM

scale 1:1

product family
HPC

title
3 ROW R/A RECEPTACLE
SOLDER TO BOARD, 0 G.P.

dwg no
50294

sheet 5 of 6

size
A3

type
Product Customer Drawing

form: A3

1

2

3

4

5

6

PDS: Rev :U

STATUS:Released

Printed: Apr 26, 2017

