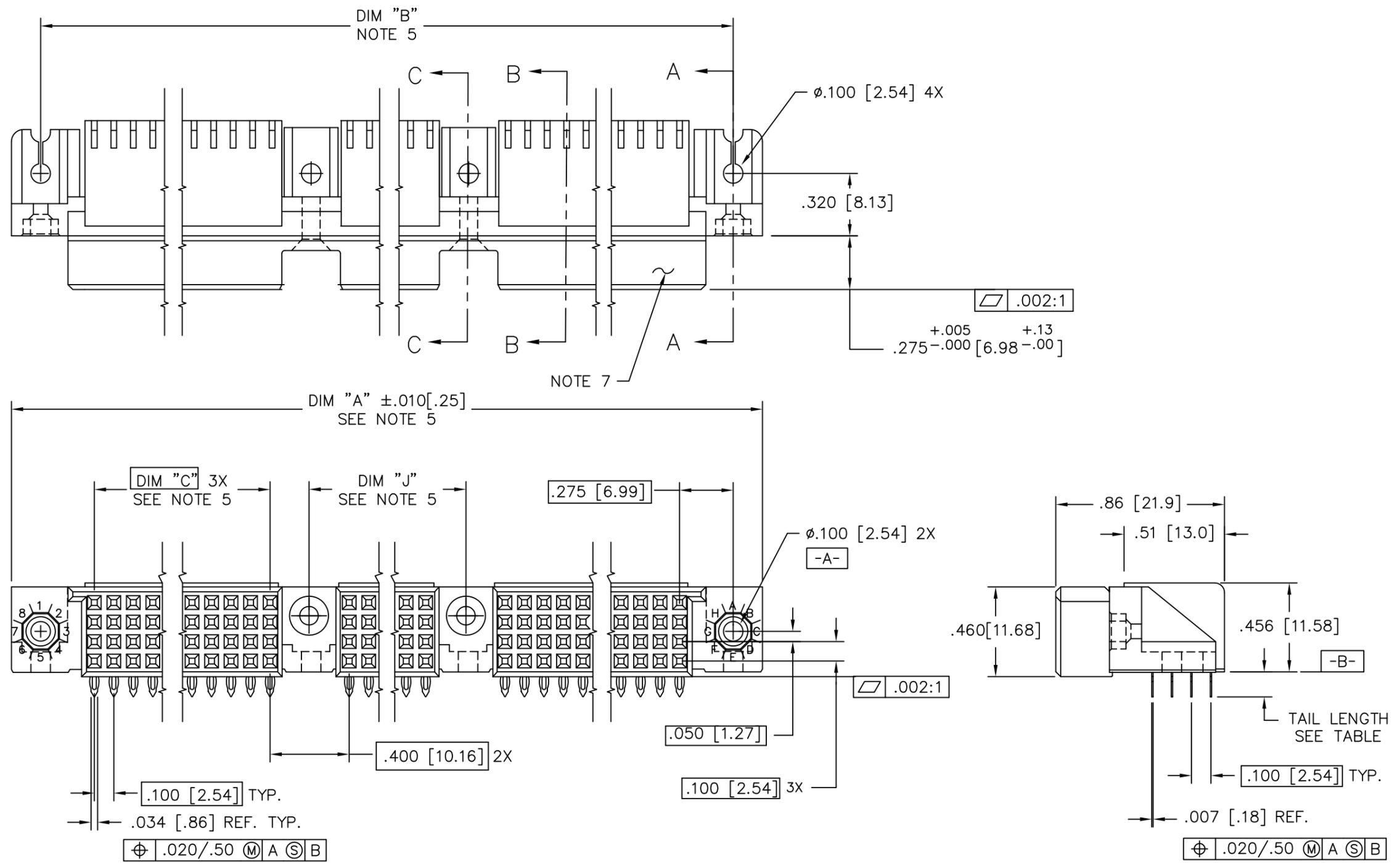


PRODUCT NUMBER  
SEE TABLE



mat'l. code SEE 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 4 ROW R/A RECEPTACLE PRESS FIT, 2 GUIDE PINS	
W	ELX-I-26922	MJA	05/06/17	angles	.xx±.01/.3			dwg no	
-	-	-	-	linear	.xxx±.005/.13			sheet 1 of 6	
R	v10960	MEM	3/14/01	0°±2'	.xxxx±.0020/.051			size A3	
S	v05-0512	DAI	8/01/05	dr	G.PETERS	6/12/93		type Product Customer Drawing	
T	v05-1054	HTB	11/16/05	enr	S.CLARK	6/12/93			
U	M06-0283	MHT	7/27/06	chr	M JACOB	05/06/17			
V	M07-0099	AGS	2/08/07	appd	BIJU K PAUL	05/06/17			
sheet	revision	W	W	V	V	V	V		
index	sheet	1	2	3	4	5	6		

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PRODUCT NUMBER  
SEE TABLE

NOTES:

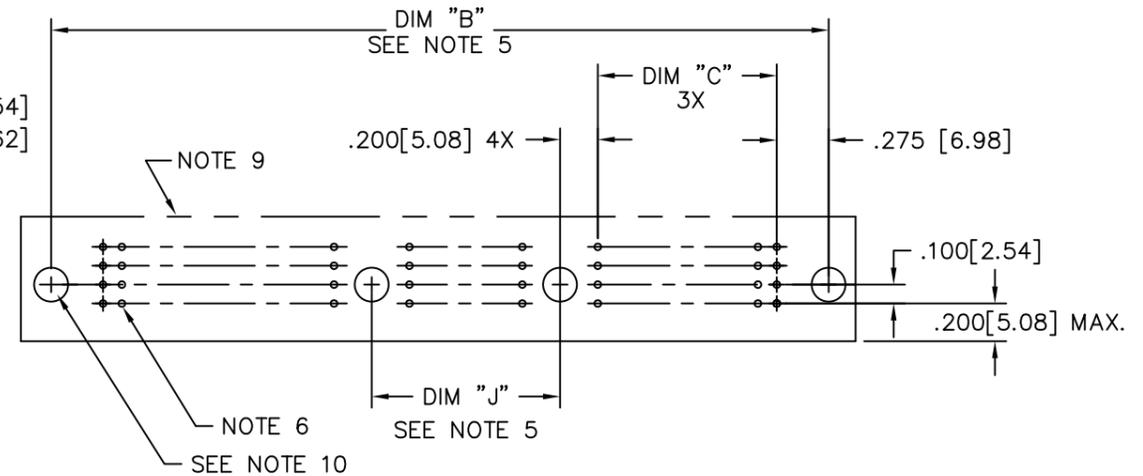
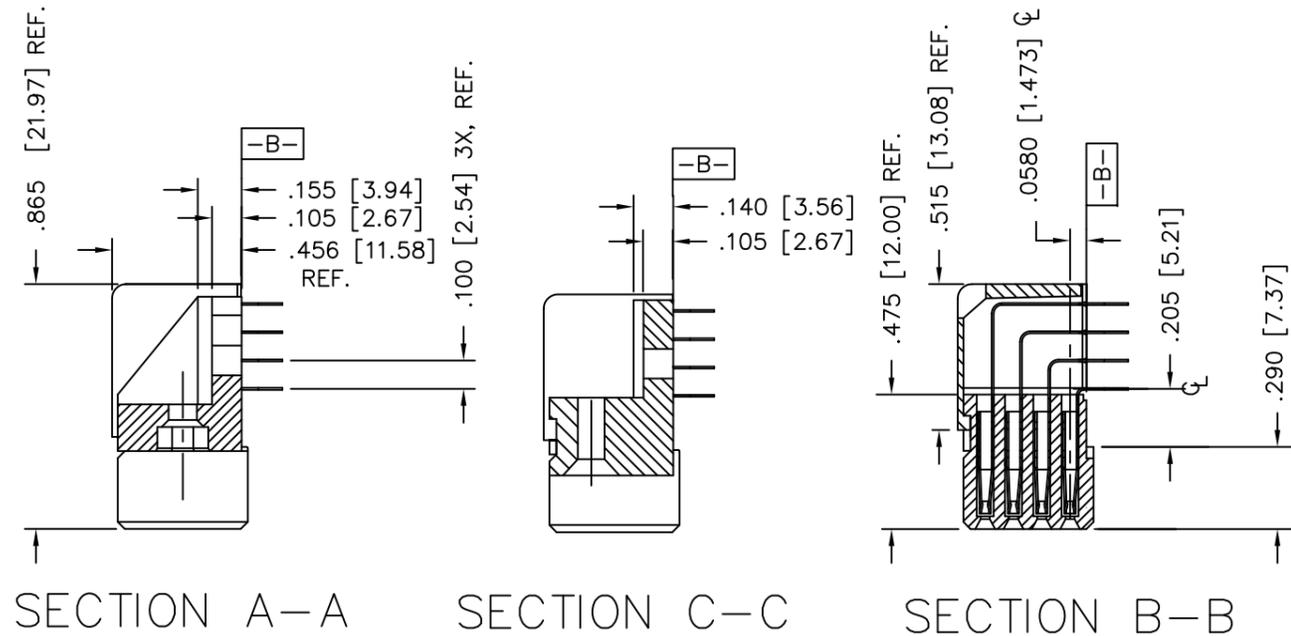
- ①. PRODUCT NUMBERING CODE:  
50644 - X YYY Z S LF
- LEAD FREE (OPTIONAL)
  - SPECIAL FEATURES (NOTE 10)
  - TAIL LENGTH (SEE TABLE)
  - NO. OF POSITIONS (NOTE 2)
  - PLATING SEE TABLE
  - BASE NUMBER

PRODUCT NUMBERING CODE FOR SELECT LOAD

- 50644- XX YYY LF
- LEAD FREE (OPTIONAL)
  - SEQUENCE NUMBER
  - ALWAYS "XX"
  - BASE NUMBER

- ②. THIS PRODUCT IS CONFIGURED IN SIZES OF 30 thru 150 COLUMNS IN INCREMENTS OF THREE.  
i.e.: 30,33,36,.....147,150.
- ③. MATERIAL PRESS BLOCK: HIGH TEMP. THERMOPLASTIC  
MATERIAL HOUSING: GLASS AND MINERAL FILLED  
HIGH TEMP. THERMOPLASTIC. FLAME RETARDANT  
PER UL94V-0. COLOR: BLACK.  
CONTACT MATERIAL: BeCu.
4. PLATING:  
CONTACT AREA - SEE PRODUCT NUMBER TABLE  
TAILS-EITHER TIN OR TIN LEAD, SEE PRODUCT NUMBER TABLE
- ⑤. DIMENSION "A" CALCULATION =  $.100 (2.54) \times \text{NO. OF COLUMNS} + 1.35[34.3]$   
DIMENSION "B" CALCULATION =  $.100 (2.54) \times \text{NO. OF COLUMNS} + 1.050[26.67]$   
DIMENSION "C" CALCULATION =  $.100 (2.54) \times \text{NO. OF COLUMNS} - \text{DIVDED BY } 3 - .100[2.54]$   
DIMENSION "J" CALCULATION =  $.100 (2.54) \times \text{NO. OF COLUMNS} - \text{DIVDED BY } 3 + .300[7.62]$
- ⑥. DRILLED HOLE DIA. OF  $.0453 \pm .001$  FINISHED TO  $.0400 \pm .0030$   
BY PLATING SnPb(60/40),  $.0003 - .0006$  w/Cu  
UNDERPLATING AS NEEDED.
- ⑦. MANUFACTURE'S LOGO, P/N, AND LOT CODE TO APPEAR ON THIS SURFACE.
8. THIS HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10-30 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
- ⑨. FOR PCB STAY AWAY ZONE SEE TA-0954.
- ⑩. SPECIAL FEATURES:  
— = IF NO SPECIAL FEATURE CODE IS SELECTED, CONNECTOR WILL APPEAR AS SHOWN. PCB MOUNTING HOLE DIMENSION TO BE  $\phi.120 \pm .003 [3.05 \pm 0.07]$   
"A" = IF SPECIFIED, CONNECTOR WILL APPEAR AS SHOWN ON SHEET 3. PCB MOUNTING HOLE DIMENSION TO BE  $\phi.100 \pm .003 [2.54 \pm 0.07]$ .  
"B" = IF SPECIFIED, CONNECTOR WILL HAVE PRE-INSTALLED EYELET FOR P.C.B. ATTACHMENT IN A  $\phi.100 \pm .003 [2.54 \pm 0.07]$  MOUNTING HOLE. SEE SHEET 3. (AVAILABLE IN "E" TAIL LENGTH. ONLY).  
"C" = IF SPECIFIED, CONNECTOR WILL HAVE PRE-INSTALLED EYELET FOR P.C.B. ATTACHMENT IN A  $\phi.120 \pm .003 [2.54 \pm 0.07]$  MOUNTING HOLE. SEE SHEET 3.  
"D" = IF SPECIFIED, CONNECTOR WILL HAVE PRE-INSTALLED EYELET WITH MOLDED GUIDE PINS FOR P.C.B. ATTACHMENT IN A  $\phi.120 \pm .003 [2.54 \pm 0.07]$  MOUNTING HOLE. SEE SHEET 3.

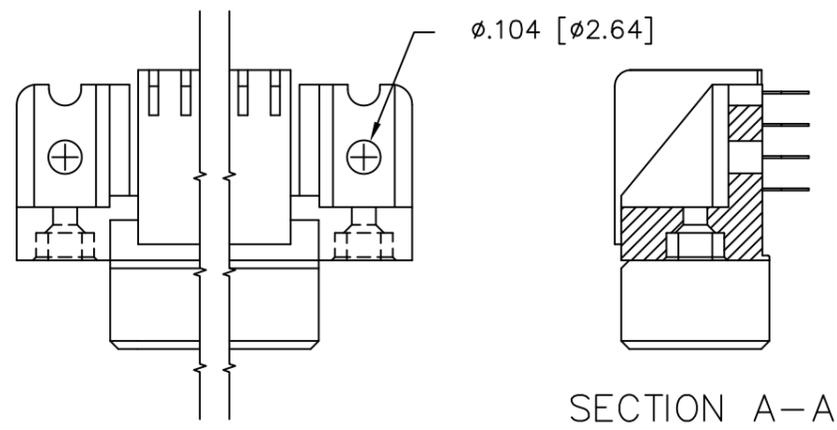
- ⑪. THIS PRODUCT (WITH "LF" SUFFIX) MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.



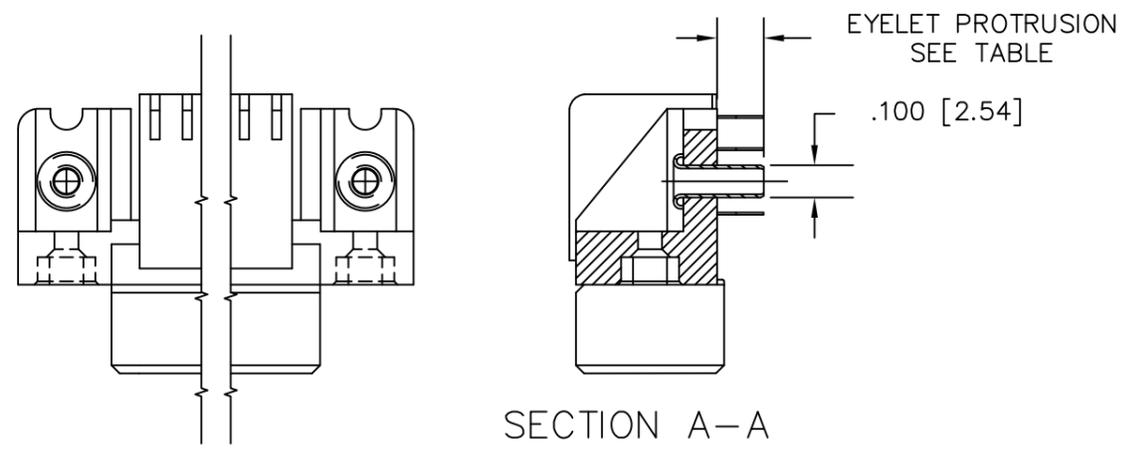
RECOMMENDED PCB LAYOUT  
(ALL HOLES LOCATED ON  $.100 [2.54]$  GRID UNLESS OTHERWISE SHOWN)

mat'l. code SEE 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		INCH/MM		title	
W				angles	linear	scale 1:1		4 ROW R/A RECEPTACLE PRESS FIT, 2 GUIDE PINS	
				0°±2'	.xxx±.005/.13 .xxx±.0020/.05			dwg no	
				dr	G.PETERS	6/12/93	Amphenol FCi		sheet 2 of 6
				enr	S.CLARK	6/12/93	50644		size A3
				chr	M JACOB	05/06/17	Product Customer Drawing		
				appd	BIJU K PAUL	05/06/17			
sheet index	revision sheet								

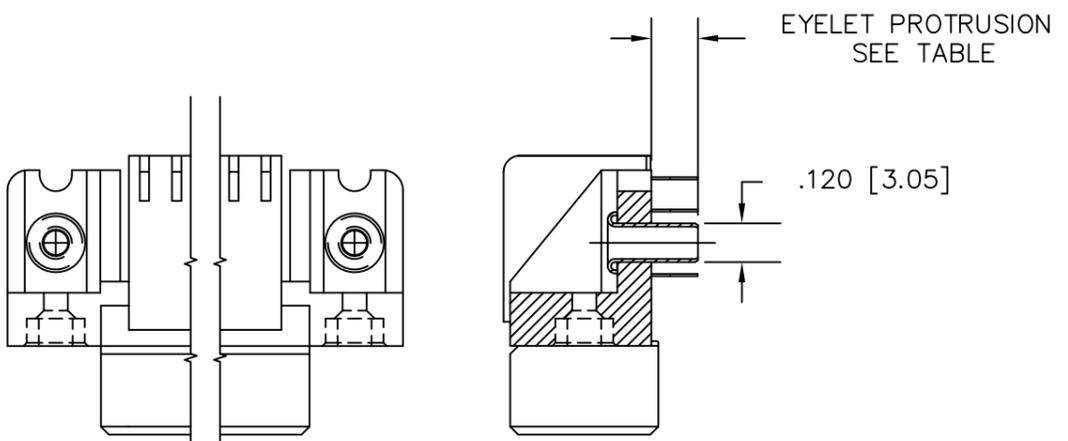
PRODUCT NUMBER  
SEE TABLE



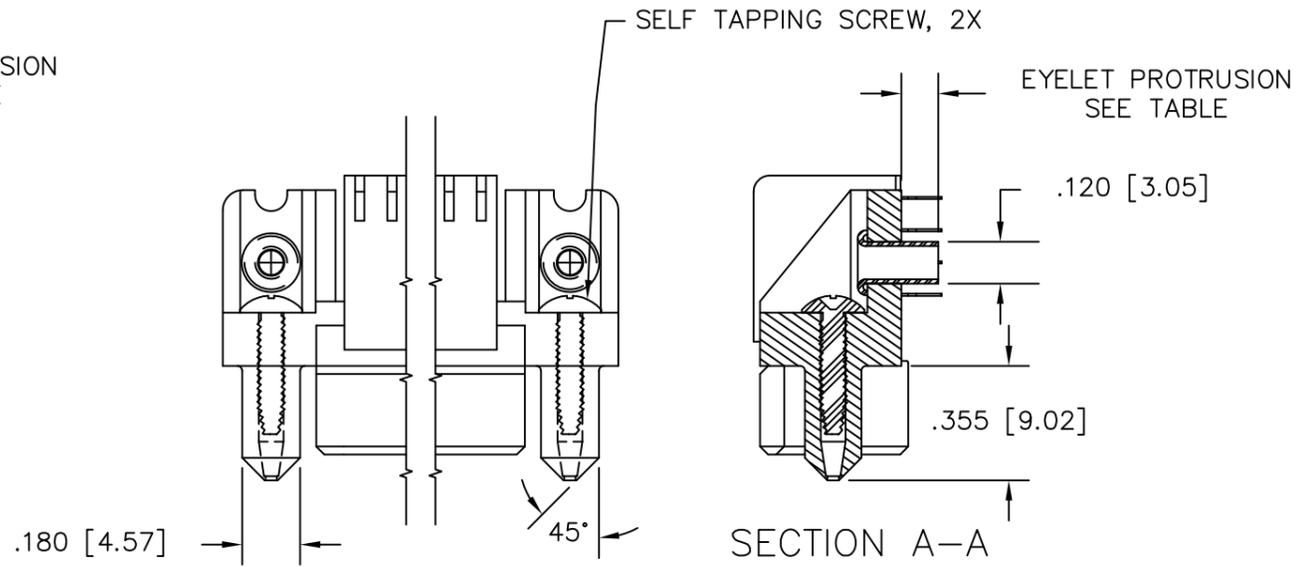
SPECIAL FEATURE OPTION A



SPECIAL FEATURE OPTION B



SPECIAL FEATURE OPTION C



SPECIAL FEATURE OPTION D

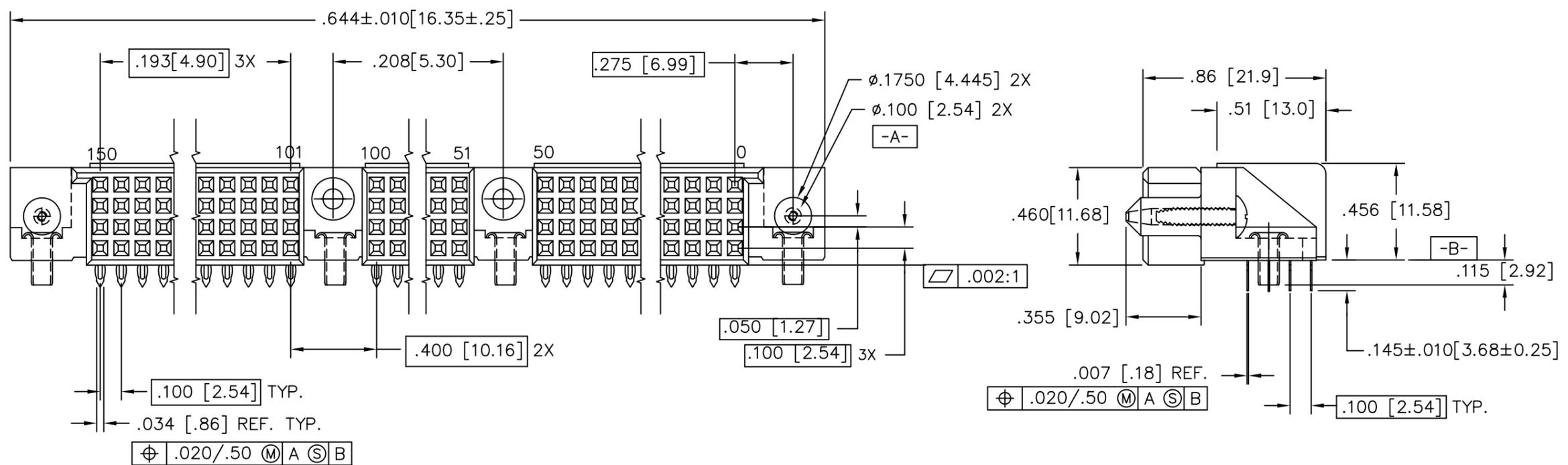
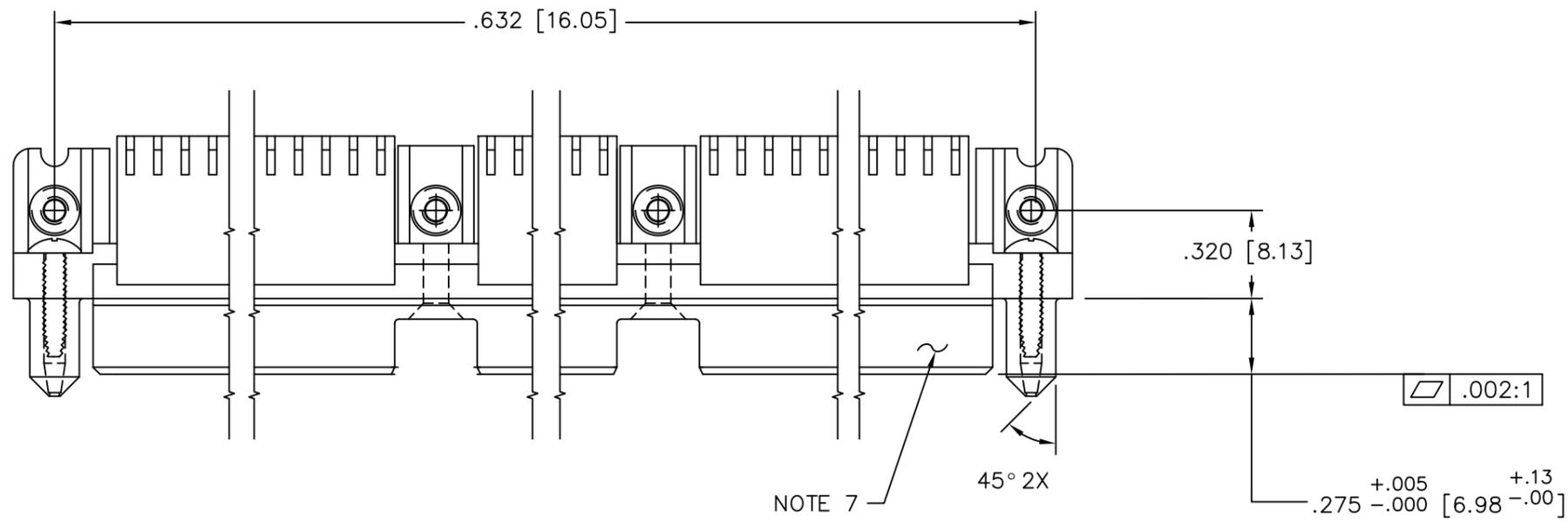
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mat'l. code		surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection INCH/MM	product family HPC
ltr	ecn no	dr	date	tolerances unless otherwise specified	title 4 ROW R/A RECEPTACLE PRESS FIT, 2 GUIDE PINS
v				angles linear .xx±.01/.3 .xxx±.005/.13 .xxxx±.0020/.051	
sheet index		revision sheet		dr G.PETERS 6/12/93	dwg no 50644 sheet 3 of 6 size A3
				enr S.CLARK 6/12/93	type Product Customer Drawing
				chr S.CLARK 6/12/93	
				appd S.CLARK 6/12/93	

PRODUCT NUMBER
50644-XX001
50644-XX001LF

50644-XX001 AND 50644-XX001LF ONLY

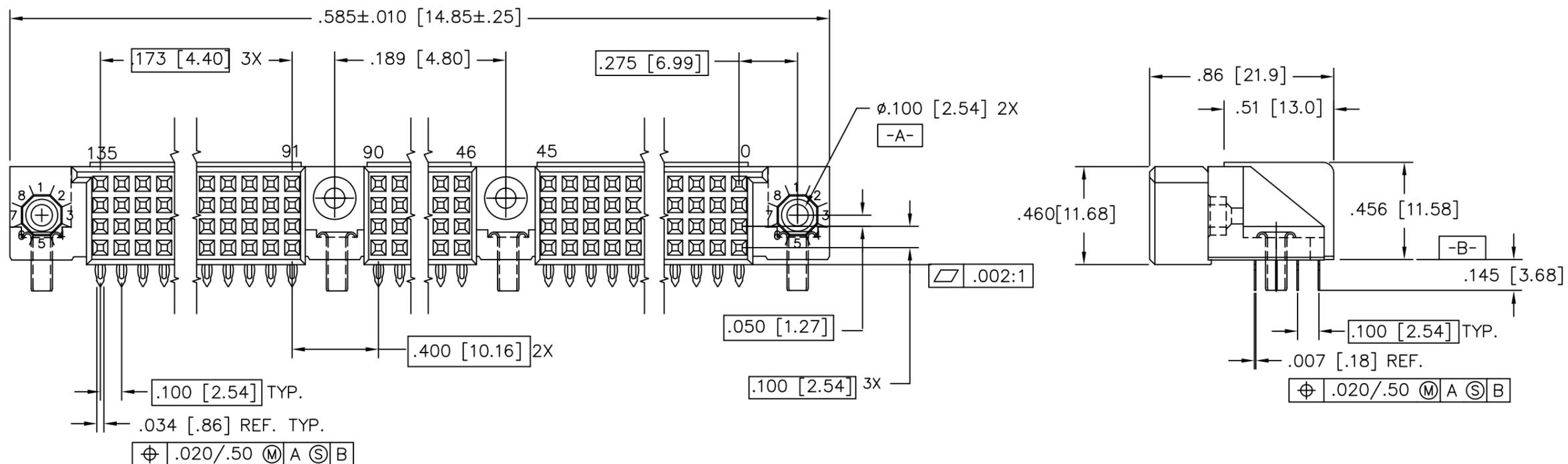
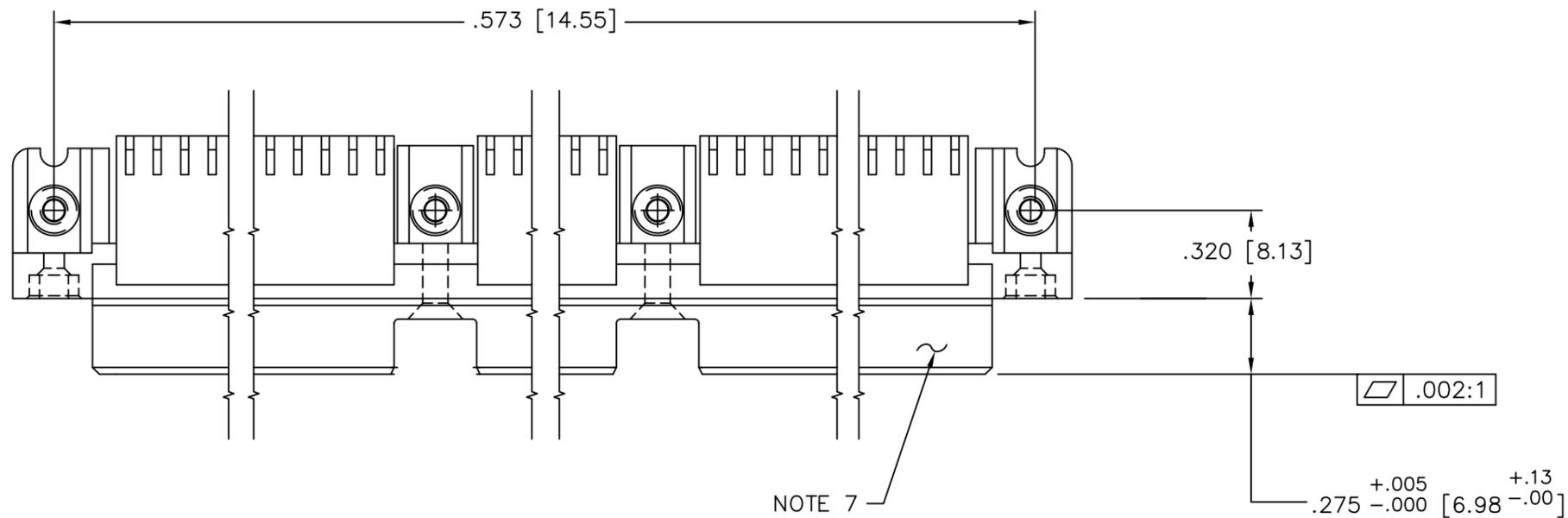


NOTES FOR -XX001 AND XX001LF ONLY:  
 1. ALL POSITIONS LOADED WITH .145[3.68] TAIL LENGTH.  
 2. SIZE 4 x 150  
 TOTAL NUMBER OF POSITIONS - 600  
 TOTAL NUMBER OF POSITIONS LOADED - 600

mat'l. code SEE 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		INCH/MM		title 4 ROW R/A RECEPTACLE PRESS FIT, 2 GUIDE PINS		
v				angles	linear	scale 1:1		dwg no 50644		
				0°±2°	.XX±.01/.3 .XXX±.005/.13 .XXXX±.0020/.051	Amphenol FCi		sheet 4 of 6 size A3		
				dr	G.PETERS	6/12/93			type Product Customer Drawing	
				enr	S.CLARK	6/12/93				
				chr	S.CLARK	6/12/93				
				appd	S.CLARK	6/12/93				
sheet index	revision sheet									

PRODUCT NUMBER
50644-XX002
50644-XX002LF

50644-XX002 AND 50644-XX002LF ONLY



NOTES FOR -XX002 AND XX002LF ONLY:

1. ALL POSITIONS LOADED WITH .145[3.68] TAIL LENGTH.
2. SIZE 4 x 135  
TOTAL NUMBER OF POSITIONS - 540  
TOTAL NUMBER OF POSITIONS LOADED - 540

mat'l. code		surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection		product family HPC	
ltr	ecn no	dr	date	tolerances unless otherwise specified		INCH/MM		title	
v				angles	linear	.XX±.01/.3 .XXX±.005/.13 .XXXX±.0020/.051		4 ROW R/A RECEPTACLE PRESS FIT, 2 GUIDE PINS	
				0°±2°		scale 1:1		dwg no 50644 sheet 5 of 6 size A3	
				dr	G.PETERS	6/12/93		Amphenol FCI	
				enr	S.CLARK	6/12/93		type Product Customer Drawing	
				chr	S.CLARK	6/12/93			
				appd	S.CLARK	6/12/93			
sheet index	revision sheet								

PRODUCT NUMBER NOTE 1	NUMBER OF POSITIONS NOTE 2	TAIL LENGTH ±.010/0.25	SPECIAL FEATURES SEE NOTE 10	SOLDER TAIL PLATING	PLATING IN CONTACT AREA	EYELET PROTRUSION
50644 - 1YYYE	YYY	.125/3.18	NONE	TIN-LEAD	30u"/.76u Au	N/A
50644 - 5YYYELF	YYY	.125/3.18	NONE	TIN	30u"/.76u GXT	N/A
50644 - 1YYYEA	YYY	.125/3.18	"A"	TIN-LEAD	30u"/.76u Au	N/A
50644 - 5YYYEALF	YYY	.125/3.18	"A"	TIN	30u"/.76u GXT	N/A
50644 - 1YYYEB	YYY	.125/3.18	"B"	TIN-LEAD	30u"/.76u Au	0.145/3.68
50644 - 5YYYEBLF	YYY	.125/3.18	"B"	TIN	30u"/.76u GXT	0.145/3.68
50644 - 1YYYEC	YYY	.125/3.18	"C"	TIN-LEAD	30u"/.76u Au	0.115/2.92
50644 - 5YYYECLF	YYY	.125/3.18	"C"	TIN	30u"/.76u GXT	0.115/2.92
50644 - 1YYYED	YYY	.125/3.18	"D"	TIN-LEAD	30u"/.76u Au	0.115/2.92
50644 - 5YYYEDLF	YYY	.125/3.18	"D"	TIN	30u"/.76u GXT	0.115/2.92
50644 - 1YYYF	YYY	.145/3.68	NONE	TIN-LEAD	30u"/.76u Au	N/A
50644 - 5YYYFLF	YYY	.145/3.68	NONE	TIN	30u"/.76u GXT	N/A
50644 - 1YYYFA	YYY	.145/3.68	"A"	TIN-LEAD	30u"/.76u Au	N/A
50644 - 5YYYFALF	YYY	.145/3.68	"A"	TIN	30u"/.76u GXT	N/A
50644 - 1YYYFC	YYY	.145/3.68	"C"	TIN-LEAD	30u"/.76u Au	0.145/3.68
50644 - 5YYYFCLF	YYY	.145/3.68	"C"	TIN	30u"/.76u GXT	0.145/3.68
50644 - 1YYYFD	YYY	.145/3.68	"D"	TIN-LEAD	30u"/.76u Au	0.145/3.68
50644 - 5YYYFDLF	YYY	.145/3.68	"D"	TIN	30u"/.76u GXT	0.145/3.68
50644 - XX001	600	.145/3.68	"D"	TIN-LEAD	30u"/.76u Au	0.115/2.92
50644 - XX001LF	600	.145/3.68	"D"	TIN	30u"/.76u GXT	0.115/2.92
50644 - XX002	540	.145/3.68	"B"	TIN-LEAD	30u"/.76u Au	0.145/3.68
50644 - XX002LF	540	.145/3.68	"B"	TIN	30u"/.76u GXT	0.145/3.68
50644 - 1YYYELF	YYY	.125/3.18	NONE	TIN	30u"/.76u Au	N/A
50644 - 1YYYEALF	YYY	.125/3.18	"A"	TIN	30u"/.76u Au	N/A
50644 - 1YYYEBLF	YYY	.125/3.18	"B"	TIN	30u"/.76u Au	0.145/3.68
50644 - 1YYYECLF	YYY	.125/3.18	"C"	TIN	30u"/.76u Au	0.115/2.92
50644 - 1YYYEDLF	YYY	.125/3.18	"D"	TIN	30u"/.76u Au	0.115/2.92
50644 - 1YYYFLF	YYY	.145/3.68	NONE	TIN	30u"/.76u Au	N/A
50644 - 1YYYFALF	YYY	.145/3.68	"A"	TIN	30u"/.76u Au	N/A
50644 - 1YYYFCLF	YYY	.145/3.68	"C"	TIN	30u"/.76u Au	0.145/3.68
50644 - 1YYYFDLF	YYY	.145/3.68	"D"	TIN	30u"/.76u Au	0.145/3.68

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mat'l. code		surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family HPC	
ltr	ecn no	dr	date	tolerances unless otherwise specified		INCH/MM		title	
v				angles	linear	scale 1:1		4 ROW R/A RECEPTACLE PRESS FIT, 2 GUIDE PINS	
				0°±2°	.xx±.01/.3 .xxx±.005/.13 .xxxx±.0020/.051	Amphenol FCi		dwg no 50644	
				dr	G.PETERS	6/12/93	sheet 6 of 6		size
				enr	S.CLARK	6/12/93	A3		
				chr	S.CLARK	6/12/93	type		Product Customer Drawing
				appd	S.CLARK	6/12/93			
sheet index	revision sheet								