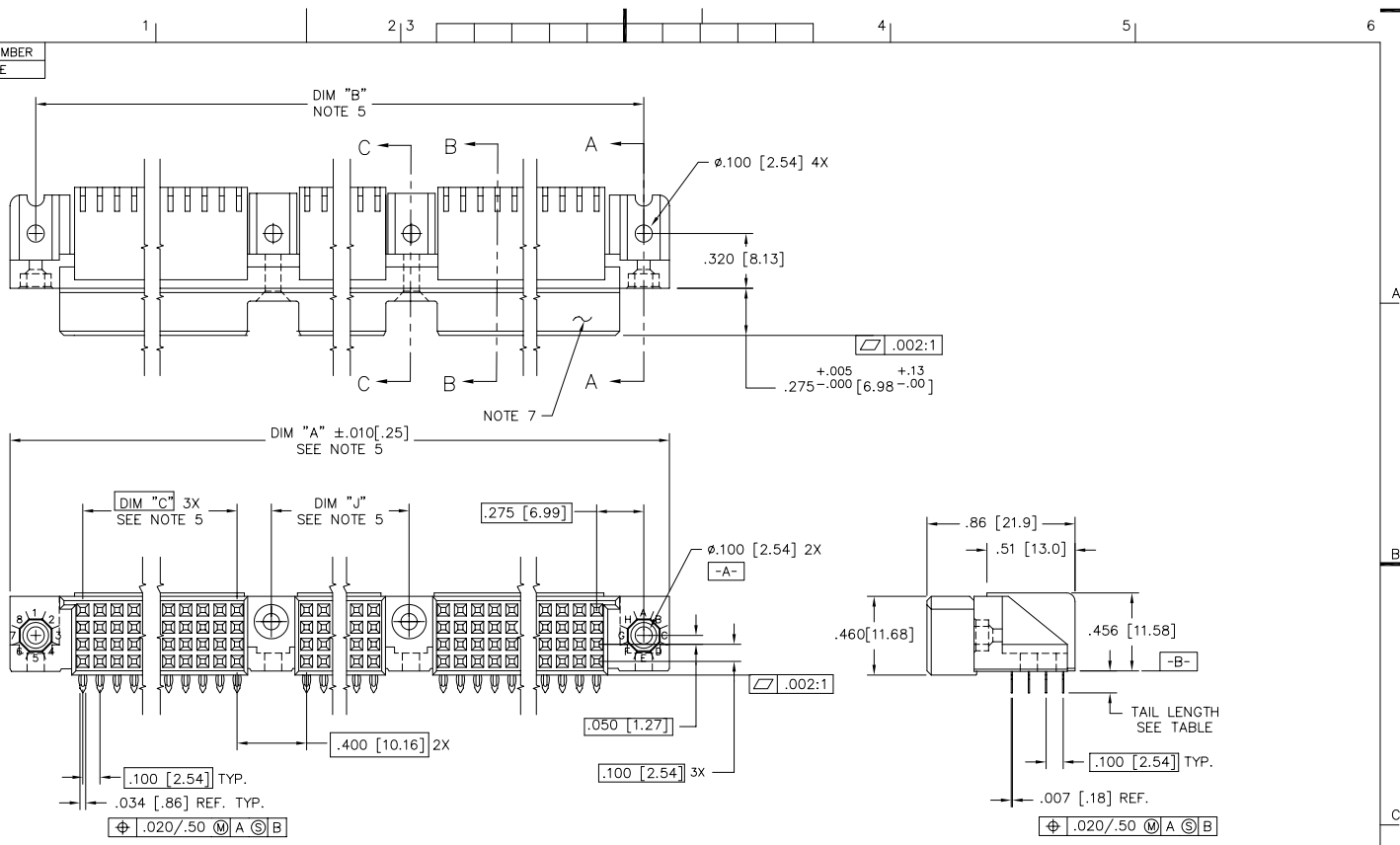


PRODUCT NUMBER
SEE TABLE



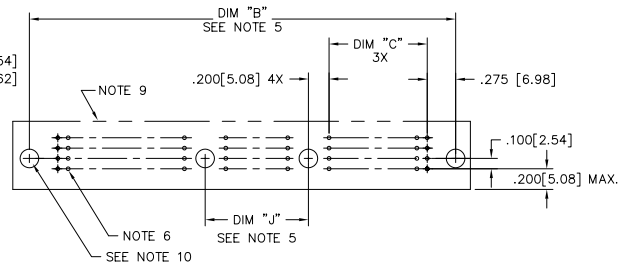
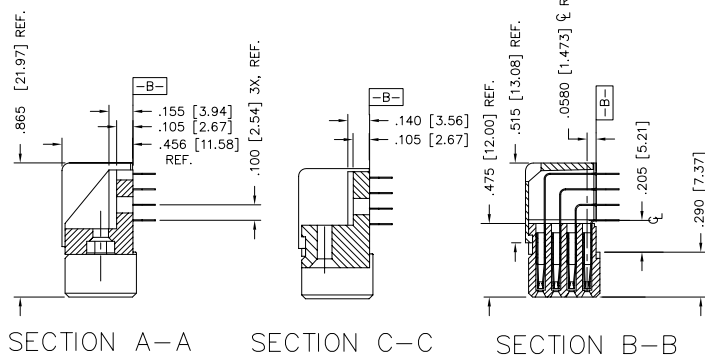
mat'l. code SEE NOTE 3	surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection INCH/MM	product family HPC
itr N v10820 JRW 2/1/01	tolerances unless otherwise specified	angles linear .XXX±.005/.13	scale 1:1	title 4 ROW R/A RECEPTACLE PRESS FIT, 2 GUIDE PINS
P v10947 CGD 2/28/01	0'±2'	XXXX±.0020/.005		sheet 1 of 6 size
R v10960 MEM 3/14/01				50644 A3
S v05-0512 DAL 8/01/05	dr G.PETERS	6/12/93		type Product Customer Drawing
T v05-1054 HTB 11/16/05	enrg S.CLARK	6/12/93		
U v06-0283 MHT 7/27/06	chr S.CLARK	6/12/93		
V v07-0099 AGS 2/08/07	appd S.CLARK	6/12/93		
sheet index	revision	v v v v v v		
1	sheet	1 2 3 4 5 6		

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PRODUCT NUMBER
SEE TABLE

NOTES:

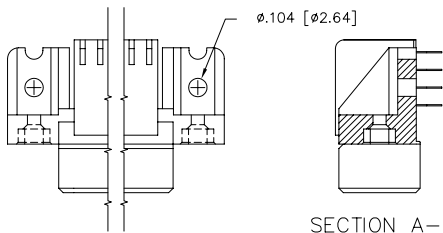
- ① PRODUCT NUMBERING CODE:
50644 - X YYY Z S LF
 - LEAD FREE (OPTIONAL)
 - SPECIAL FEATURES (NOTE 10)
 - TAIL LENGTH (SEE TABLE)
 - NO. OF POSITIONS (NOTE 2)
 - PLATING SEE TABLE
 - BASE NUMBER
- PRODUCT NUMBERING CODE FOR SELECT LOAD
50644- XX YYY LF
 - LEAD FREE (OPTIONAL)
 - SEQUENCE NUMBER
 - ALWAYS "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 = $.100 (2.54) \times \text{NO. OF COLUMNS} + 1.05[26.67]$
DIMENSION "C" CALCULATION = $.100 (2.54) \times \text{NO. OF COLUMNS} - \text{DIVIDED BY } 3 - .100[2.54]$
DIMENSION "J" CALCULATION = $.100 (2.54) \times \text{NO. OF COLUMNS} - \text{DIVIDED BY } 3 + .300[7.62]$
- 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.



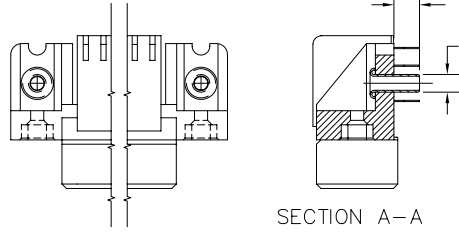
RECOMMENDED PCB LAYOUT
(ALL HOLES LOCATED ON $.100 [2.54]$ GRID UNLESS OTHERWISE SHOWN)

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 angles linear XXX.01/3 XXX±.005/13 XXXX±.0020/.05	scale 1:1	title 4 ROW R/A RECEPTACLE PRESS FIT, 2 GUIDE PINS
dr	G.PETERS	6/12/93	FCJ	dwg no 50644
enrg	S.CLARK	6/12/93		sheet2 of 6 size A3
chr	S.CLARK	6/12/93		type Product Customer Drawing
appd	S.CLARK	6/12/93		
sheet index	revision sheet			

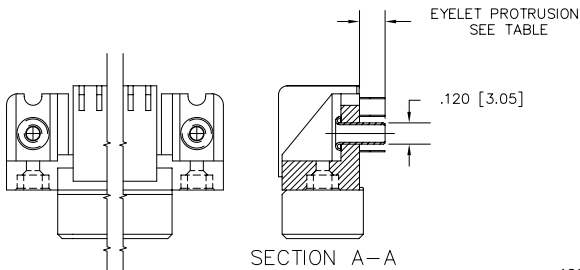
PRODUCT NUMBER
SEE TABLE



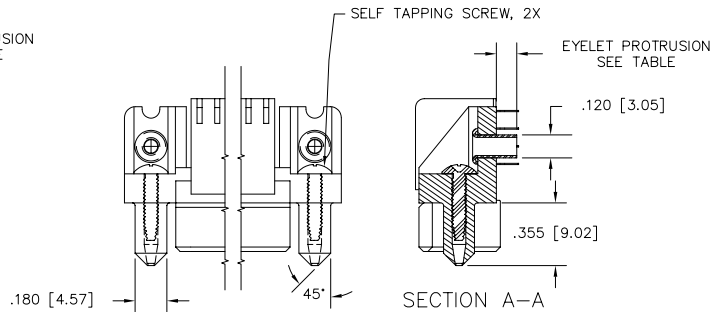
SPECIAL FEATURE OPTION A



SPECIAL FEATURE OPTION B



SPECIAL FEATURE OPTION C



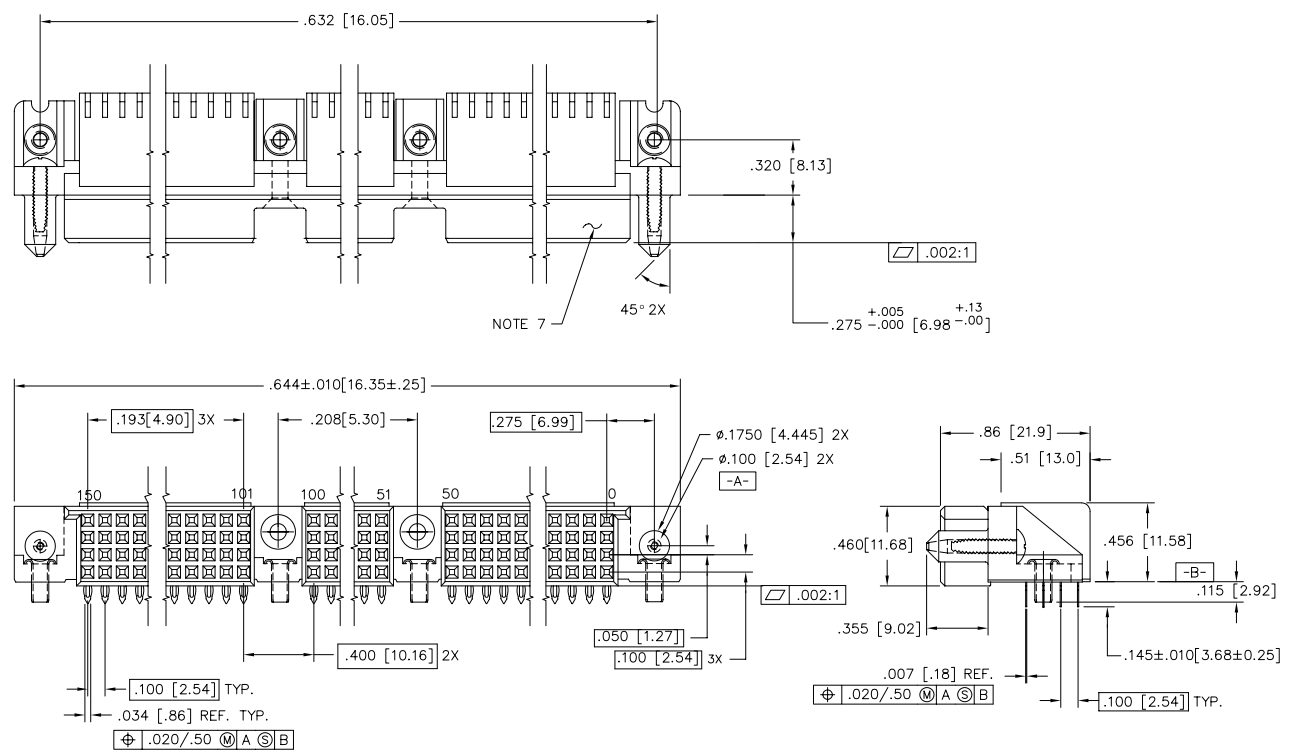
SPECIAL FEATURE OPTION D

mat'l. code		surface	tolerance	projection	product family	
ISO 1302		ISO 1302	ISO 406		HPC	
date		tolerances unless otherwise specified	ISO 1101		title	
ltr	ecn no	dr	date	INCH/MM	4 ROW R/A RECEPTACLE	
v				scale 1:1	PRESS FIT, 2 GUIDE PINS	
angles		linear	.XXX.01/3		sheet 3 of 6 size	
0°±2'		dr	G.PETERS 6/12/93		50644	A3
		enrg	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					

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PRODUCT NUMBER
50644-XX001
50644-XX001LF

50644-XX001 AND 50644-XX001LF ONLY



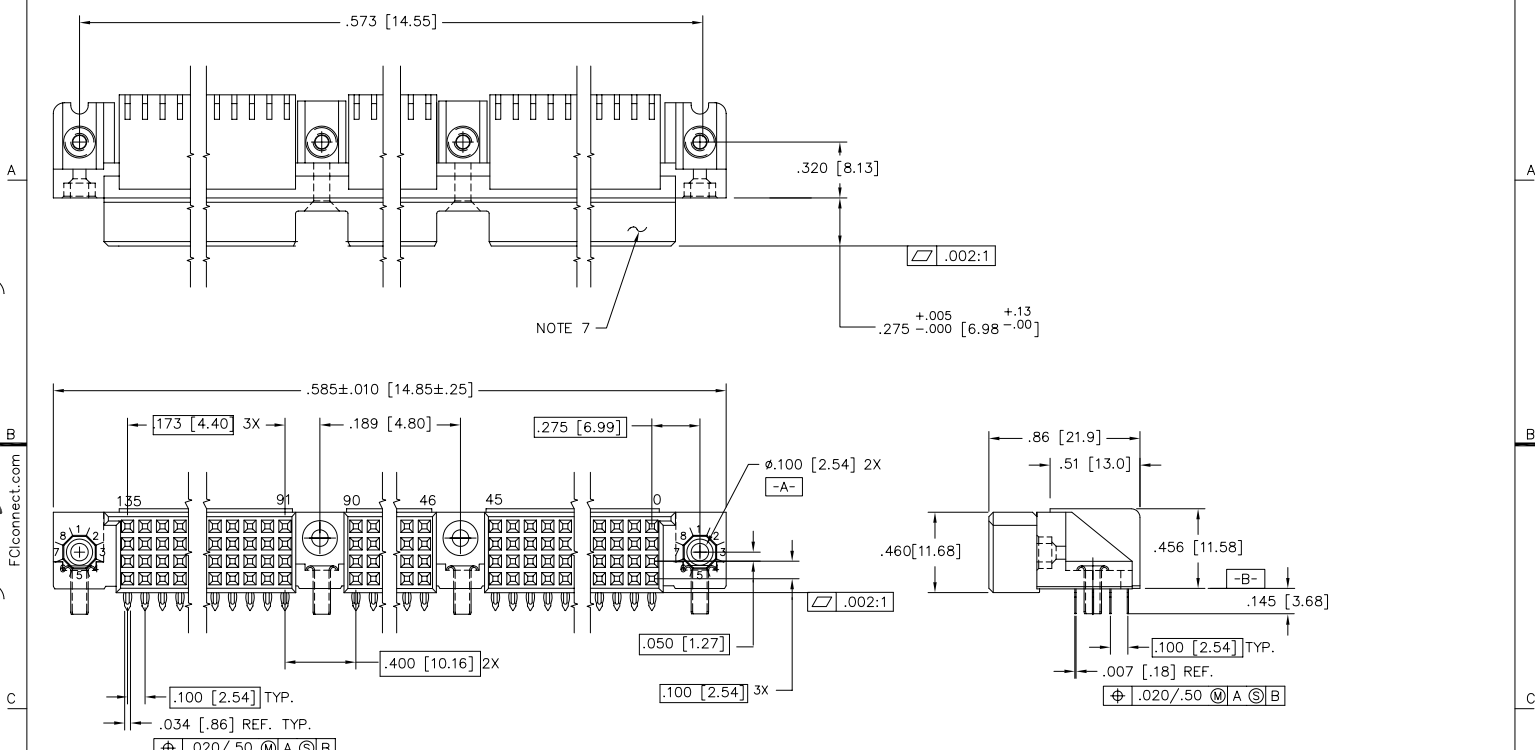
NOTES FOR -XX001 AND XX001LF ONLY:
1. ALL POSITIONS LOADED WITH .145[3.68] TAIL LENGTH.
2. SIZE 4 x 150
TOTAL NUMBER OF POSITIONS - 600
TOTAL NUMBER OF POSITIONS LOADED - 600

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 angles linear	XXX.01/3 .XXX±.005/.13 XXXX±.0020/.051	scale 1:1	title 4 ROW R/A RECEPTACLE PRESS FIT, 2 GUIDE PINS
dr engr chr appd	G.PETERS S.CLARK S.CLARK S.CLARK	6/12/93 6/12/93 6/12/93 6/12/93	FCJ	sheet 4 of 6 size 50644 A3 type Product Customer Drawing
sheet index	revision sheet			

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PRODUCT NUMBER
50644-XX002
50644-XX002LF

50644-XX002 AND 50644-XX002LF ONLY



NOTE 7

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	tolerance	projection	product family
ltr	ISO 1302	ISO 406		HPC
ecn	no	ISO 1101		
dr	date	tolerances unless otherwise specified	INCH/MM	title
		angles	linear	4 ROW R/A RECEPTACLE
		0°±2'	linear	PRESS FIT, 2 GUIDE PINS
		dr	scale 1:1	dwg no
		enrg		50644
		chr		sheet 5 of 6 size
		appd		A3
sheet	revision			type
index	sheet			Product Customer Drawing

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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 -1YYYY	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 -1YYYYEA	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 -1YYYYEB	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 -1YYYYEC	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 -1YYYYED	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 -1YYYYF	YYY	.145/3.68	NONE	TIN-LEAD	30u"/.76u Au	N/A
50644 -5YYYYFLF	YYY	.145/3.68	NONE	TIN	30u"/.76u GXT	N/A
50644 -1YYYYFA	YYY	.145/3.68	"A"	TIN-LEAD	30u"/.76u Au	N/A
50644 -5YYYYFALF	YYY	.145/3.68	"A"	TIN	30u"/.76u GXT	N/A
50644 -1YYYYFC	YYY	.145/3.68	"C"	TIN-LEAD	30u"/.76u Au	0.145/3.68
50644 -5YYYYFCLF	YYY	.145/3.68	"C"	TIN	30u"/.76u GXT	0.145/3.68
50644 -1YYYYFD	YYY	.145/3.68	"D"	TIN-LEAD	30u"/.76u Au	0.145/3.68
50644 -5YYYYFDLF	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 -1YYYYELF	YYY	.125/3.18	NONE	TIN	30u"/.76u Au	N/A
50644 -1YYYYEALF	YYY	.125/3.18	"A"	TIN	30u"/.76u Au	N/A
50644 -1YYYYEBLF	YYY	.125/3.18	"B"	TIN	30u"/.76u Au	0.145/3.68
50644 -1YYYYECLF	YYY	.125/3.18	"C"	TIN	30u"/.76u Au	0.115/2.92
50644 -1YYYYEDLF	YYY	.125/3.18	"D"	TIN	30u"/.76u Au	0.115/2.92
50644 -1YYYYFLF	YYY	.145/3.68	NONE	TIN	30u"/.76u Au	N/A
50644 -1YYYYFALF	YYY	.145/3.68	"A"	TIN	30u"/.76u Au	N/A
50644 -1YYYYFCLF	YYY	.145/3.68	"C"	TIN	30u"/.76u Au	0.145/3.68
50644 -1YYYYFDLF	YYY	.145/3.68	"D"	TIN	30u"/.76u Au	0.145/3.68

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

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