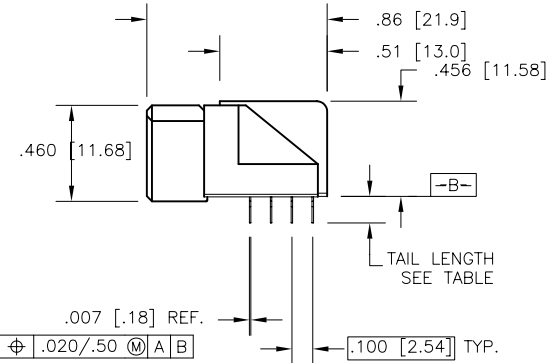
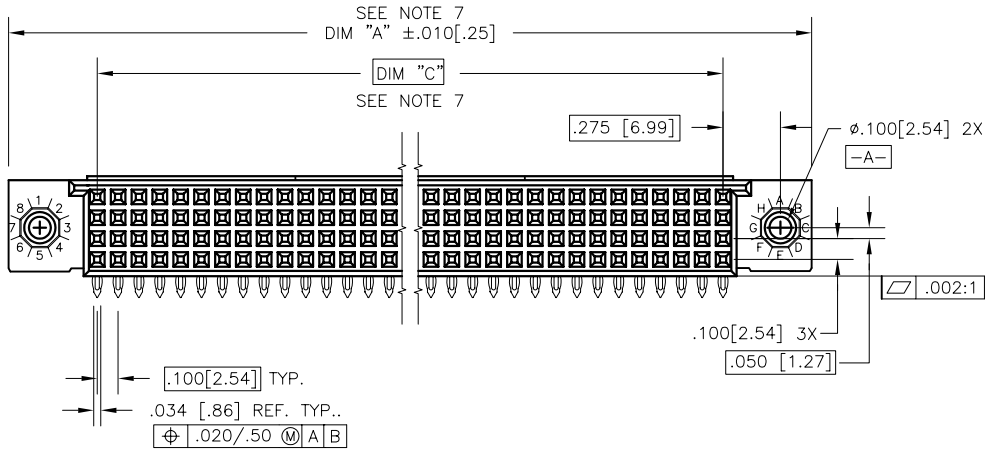
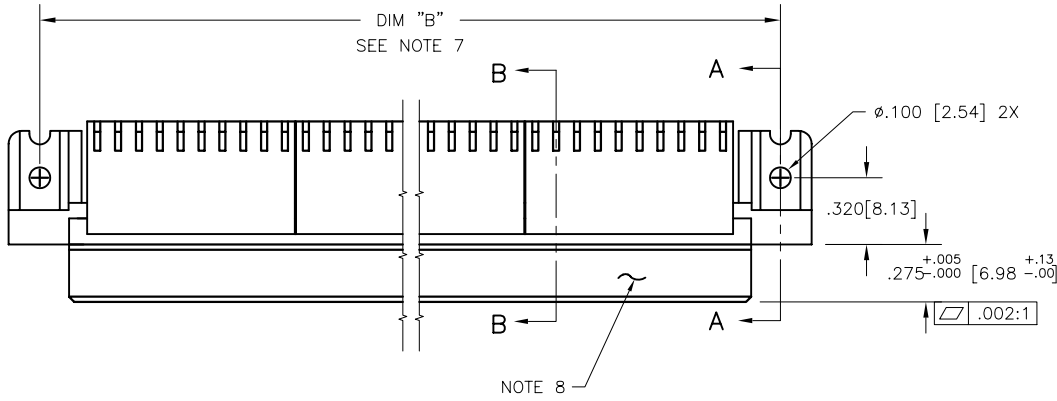


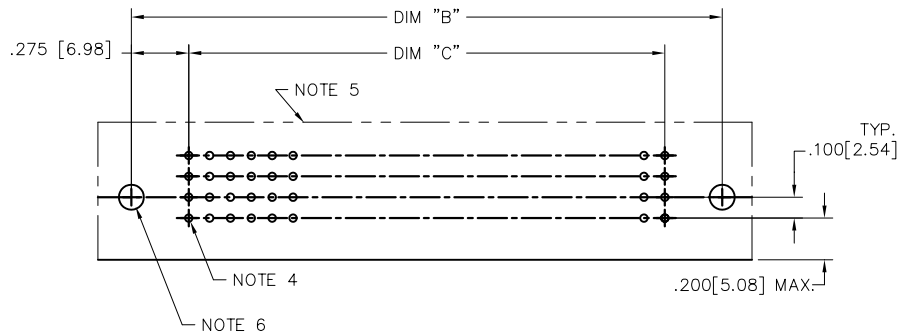
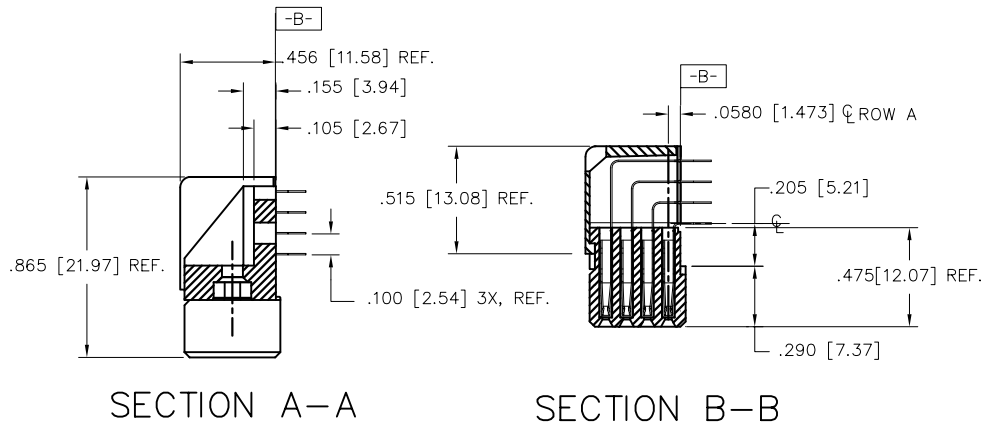
PRODUCT NUMBER  
SEE TABLE



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mat'l. code NOTE 3		surface ISO 1302	tolerance ISO 406 ISO 1101	projection INCH/MM	product family HPC
ltr	ecm no	dr	date	title	
P	V10824	JRW	2/6/01	4 ROW R/A RECEPTACLE PRESS FIT	
R	V05-0460	DAI	7/13/05	scale	1:1
S	V05-1003	DAI	11/1/05	dwg no 50642	
T	V05-1041	HTB	11/14/05	sheet 1 of 7 size A3	
U	M06-0255	MHT	7/06/06	type Product Customer Drawing	
V	M06-0388	MHT	10/04/06		
W	M08-0149	MHT	5/27/08		
sheet	revision	W	W	W	W
index	sheet	1	2	3	4

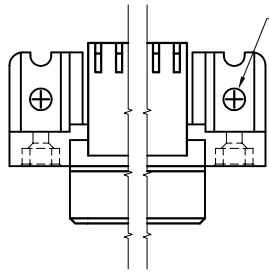
PRODUCT NUMBER  
SEE TABLE



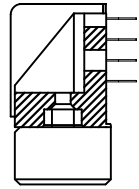
RECOMMENDED PCB LAYOUT  
(ALL HOLES LOCATED ON .100[2.54]  
GRID UNLESS OTHERWISE SHOWN)

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	title 4 ROW R/A RECEPTACLE PRESS FIT
W				linear XX±.01/XX±.03 XXX±.005/XX±.013 XXXX±.0020/XXX±.005	scale 1:1
				angles 0°±2°	dwg no 50642
				dr D.INGRAM 7/13/05	sheet 2 of 7 size A3
				enr D.HORCHLER 7/13/05	type Product Customer Drawing
				chr T.BREWBAKER 7/13/05	
				appd D.HORCHLER 7/13/05	
sheet index	revision sheet				

PRODUCT NUMBER  
SEE TABLE

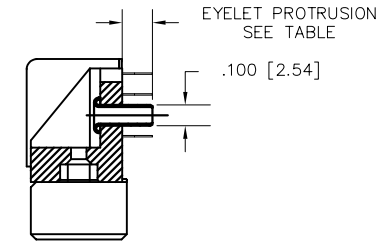
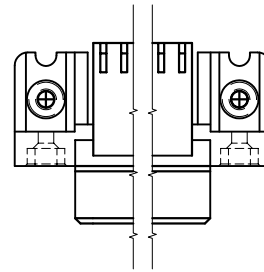


Ø.104 [Ø2.64]



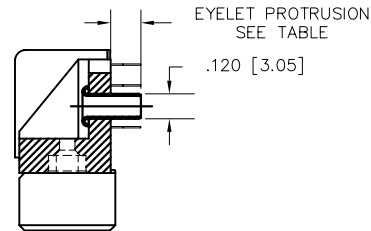
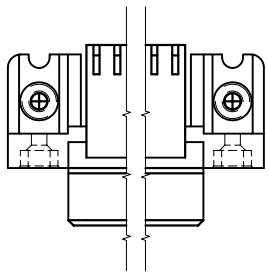
SECTION A-A

SPECIAL FEATURE OPTION A  
SEE NOTE 6



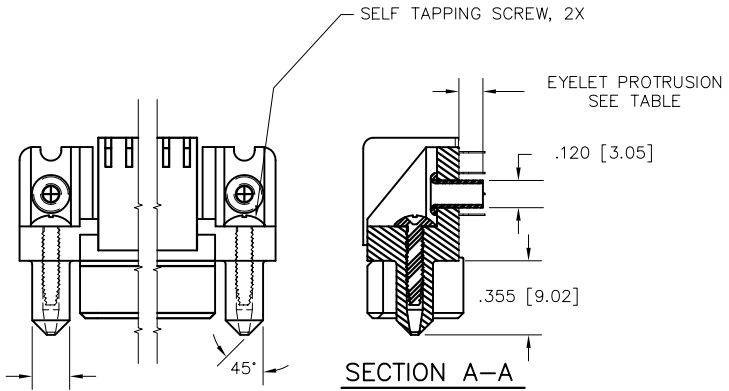
SECTION A-A

SPECIAL FEATURE OPTION B  
SEE NOTE 6



SECTION A-A

SPECIAL FEATURE OPTION C  
SEE NOTE 6

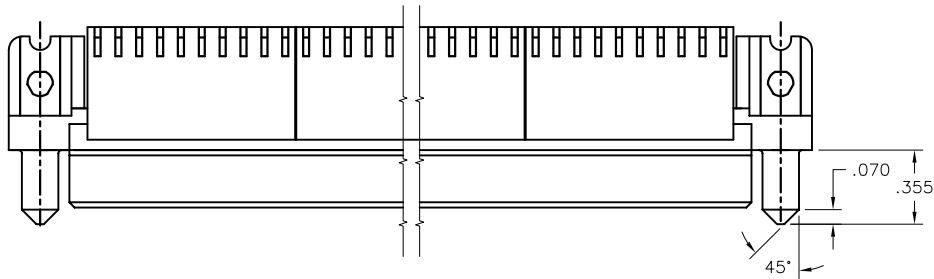


SECTION A-A

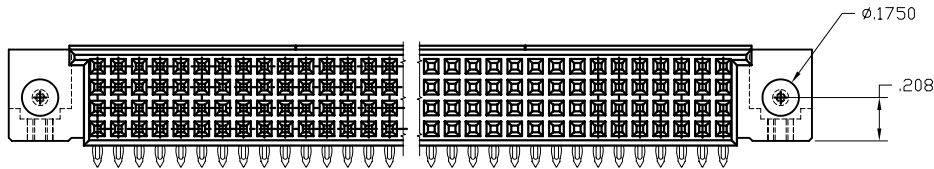
SPECIAL FEATURE OPTION D  
SEE NOTE 6

mat'l. code NOTE 3		surface ISO 1302	tolerance ISO 406 ISO 1101	projection INCH/MM	product family HPC
ltr	ecm no	dr	date	tolerances unless otherwise specified	title 4 ROW R/A RECEPTACLE PRESS FIT
W				linear XX±.01/XX±.03 XXX±.005/XX±.013 XXXX±.0020/XXX±.005	scale 1:1
				angles 0°±2°	dwg no 50642
				dr D.INGRAM 7/13/05	sheet 3 of 7 size A3
				engr D.HORCHLER 7/13/05	type Product Customer Drawing
				chr T.BREWBAKER 7/13/05	
				appd D.HORCHLER 7/13/05	
sheet index	revision sheet				

PRODUCT NUMBER  
SEE TABLE



SPECIAL FEATURE OPTION E  
SEE NOTE 6

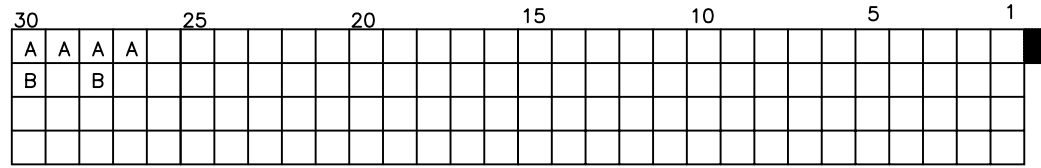
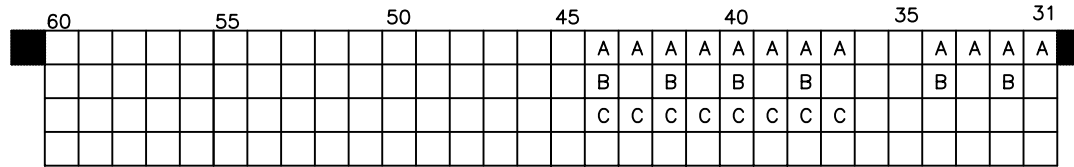


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mat'l. code NOTE 3		surface ISO 1302	tolerance ISO 406 ISO 1101	projection 	product family HPC
ltr	ecn no	dr	date	tolerances unless otherwise specified	title 4 ROW R/A RECEPTACLE PRESS FIT
W				linear XX±.01/XX±0.3 .XXX±.005/XX±0.13 XXXX±.0020/XXX±0.05	INCH/MM
				angles 0°±2'	scale 1:1
		dr	D.INGRAM	7/13/05	
		enr	D.HORCHLER	7/13/05	
		chr	T.BREWBAKER	7/13/05	
		appd	D.HORCHLER	7/13/05	
sheet index	revision sheet				dwg no 50642 sheet 4 of 7 size A3 type Product Customer Drawing

PRODUCT NUMBER
50642-XX004
50642-XX004LF

SELECT LOAD ( 50642-XX004 AND 50642-XX004LF ONLY)



D  
C  
B  
A

TERM.  
1

SPECIAL NOTES FOR -XX004 AND -XX004LF ONLY:

- ALL POSITIONS ARE LOADED, EXCEPT OMTS AS SHOWN.
- COLUMN 1, ROW A IS DESIGNATED AS SIGNAL TERM. 1, AS VIEWED FROM THE MATING FACE.
- BECAUSE OF THE SELECT LOAD TERMINAL POSITIONS, ONLY 2 PRESS BLOCKS NEED TO BE INSTALLED-ONE PLACED STARTING IN COL. 25(\*) AND ENDING IN COL. 34 THE OTHER PLACED STARTING IN COL. 35(\*) AND ENDING IN COL.44.
- SIGNAL DATA FOR 50642-XX004 AND -XX004LF:  
SIZE 4 x 60  
TOTAL NO. OF POSITIONS - 240  
NO. OF POSITIONS LOADED - 032

ITEM KEY	QTY.
A	16
B	8
C	8
BLANK	208

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 4 ROW R/A RECEPTACLE PRESS FIT	
W				angles	linear	scale 1:1		dwg no 50642	
				0°±2'				sheet 5 of 7 size A3	
				dr	D.INGRAM	7/13/05			
				engr	D.HORCHLER	7/13/05			
				chr	T.BREWBAKER	7/13/05			
				appd	D.HORCHLER	7/13/05			
sheet index	revision sheet							type Product Customer Drawing	

PRODUCT NUMBER	NUMBER OF POSITIONS NOTE 2	TAIL LENGTH	SPECIAL FEATURES SEE NOTE 6	SOLDER TAIL PLATING	CONTACT PLATING	EYELET PROTRUSION	GUIDE PINS
50642-1YYE	YYY	.125±.010/3.18±.25	-	TIN LEAD	30u"/.76u Au	N/A	NONE
50642-1YYELF	YYY	.125±.010/3.18±.25	-	TIN	30u"/.76u GXT	N/A	NONE
50642-1YYEA	YYY	.125±.010/3.18±.25	"A"	TIN LEAD	30u"/.76u Au	N/A	NONE
50642-1YYEALF	YYY	.125±.010/3.18±.25	"A"	TIN	30u"/.76u GXT	N/A	NONE
50642-1YYEB	YYY	.125±.010/3.18±.25	"B"	TIN LEAD	30u"/.76u Au	.145/3.68	NONE
50642-1YYEBLF	YYY	.125±.010/3.18±.25	"B"	TIN	30u"/.76u GXT	.145/3.68	NONE
50642-1YYEC	YYY	.125±.010/3.18±.25	"C"	TIN LEAD	30u"/.76u Au	.115/2.92	NONE
50642-1YYECLF	YYY	.125±.010/3.18±.25	"C"	TIN	30u"/.76u GXT	.115/2.92	NONE
50642-1YYED	YYY	.125±.010/3.18±.25	"D"	TIN LEAD	30u"/.76u Au	.115/2.92	2
50642-1YYEDLF	YYY	.125±.010/3.18±.25	"D"	TIN	30u"/.76u GXT	.115/2.92	2
50642-1YYEE	YYY	.125±.010/3.18±.25	"E"	TIN LEAD	30u"/.76u Au	N/A	2
50642-1YYEELF	YYY	.125±.010/3.18±.25	"E"	TIN	30u"/.76u GXT	N/A	2
50642-1YYF	YYY	.145±.010/3.68±.25	-	TIN LEAD	30u"/.76u Au	N/A	NONE
50642-1YYFLF	YYY	.145±.010/3.68±.25	-	TIN	30u"/.76u GXT	N/A	NONE
50642-1YYFA	YYY	.145±.010/3.68±.25	"A"	TIN LEAD	30u"/.76u Au	N/A	NONE
50642-1YYFALF	YYY	.145±.010/3.68±.25	"A"	TIN	30u"/.76u GXT	N/A	NONE
50642-1YYFC	YYY	.145±.010/3.68±.25	"C"	TIN LEAD	30u"/.76u Au	.145/3.68	NONE
50642-1YYFCLF	YYY	.145±.010/3.68±.25	"C"	TIN	30u"/.76u GXT	.145/3.68	NONE
50642-1YYFD	YYY	.145±.010/3.68±.25	"D"	TIN LEAD	30u"/.76u Au	.145/3.68	2
50642-1YYFDLF	YYY	.145±.010/3.68±.25	"D"	TIN	30u"/.76u GXT	.145/3.68	2
50642-1YYFE	YYY	.145±.010/3.68±.25	"E"	TIN LEAD	30u"/.76u Au	N/A	2
50642-1YYFELF	YYY	.145±.010/3.68±.25	"E"	TIN	30u"/.76u GXT	N/A	2
50642-XX004	240	.125±.010/3.18±.25	SEE SHEET 5	TIN LEAD	30u"/.76u Au	N/A	NONE
50642-XX004LF	240	.125±.010/3.18±.25	SEE SHEET 5	TIN	30u"/.76u GXT	N/A	NONE



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mat'l. code		surface		tolerance		projection		product family	
NOTE 3		ISO 1302		ISO 406 ISO 1101				HPC	
ltr	ecr no	dr	date	tolerances unless otherwise specified		INCH/MM		title	
w				angles	linear	scale 1:1		4 ROW R/A RECEPTACLE PRESS FIT	
				0°±2°				dwg no	
				dr	D.INGRAM	7/13/05		sheet 6 of 7 size	
				enr	D.HORCHLER	7/13/05		50642	
				chr	T.BREWBAKER	7/13/05		A3	
				appd	D.HORCHLER	7/13/05		type	
sheet	revision							Product Customer Drawing	
index	sheet								

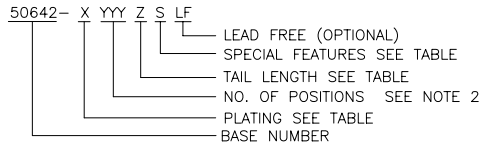


form A3 1 2 3 4 5 6

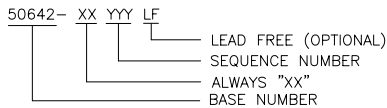
PRODUCT NUMBER  
SEE TABLE

NOTES:

①. PRODUCT NUMBERING CODE



PRODUCT NUMBERING CODE FOR SELECT LOAD



- 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. MATERIAL: PRESS BLOCK – HIGH TEMP THERMOPLASTIC;  
HOUSING—GLASS AND MINERAL FILLED HIGH TEMPERTURE THERMOPLASTIC, FLAME RETARDANT PER UL94V-0. COLOR—BLACK  
CONTACT—BeCu
- ④. DRILLED HOLE DIA OF .0453±.001 INCH FINISHED TO .0400±.0030 INCH BY PLATING SnPb OR OTHER PLATING 0.0003 TO 0.0006 INCHES THICK WITH A COPPER UNDERPLATE AS NEEDED.
- ⑤. INFORMATION DOCUMENT: FOR PCB STAY- AWAY ZONE, SEE TA-0954.
- ⑥. SPECIAL FEATURES (SEE PRODUCT NUMBER TABLE, AND DETIALS ON SHEET 3)  
- IF NO SPECIAL FEATURE CODE IS SELECTED, PCB MOUNTING HOLE DIMENSION TO BE  $\phi.120\pm.003[3.05\pm0.07]$   
"A" PCB MOUNTING HOLE DIMENSION TO BE  $\phi.100\pm.003[2.54\pm0.07]$   
"B" INCLUDES PRE-INSTALLED EYELETS FOR PCB ATTACHMENT IN A  $\phi.100\pm.003[2.54\pm0.07]$  MOUNTING HOLE. (E TAIL ONLY)  
"C" INCLUDES PRE-INSTALLED EYELETS FOR PCB ATTACHMENT IN A  $\phi.120\pm.003[3.05\pm0.07]$  MOUNTING HOLE.  
"D" INCLUDES PRE-INSTALLED EYELETS WITH MOLDED GUIDE PINS FOR PCB ATTACHMENT IN A  $\phi.120\pm.003[3.05\pm0.07]$  MOUNTING HOLE.  
"E" INCLUDES MOLDED GUIDE PINS WITH TRI-HOLE SHAPED MOUNTING HOLES. (EYELETS NOT INSTALLED)
- ⑦. LENGTH CALCULATIONS:  
DIMENSION "A" CALCULATION =  $.100 [2.54] \times \text{NO. OF COLUMNS} + .75 [19.1]$   
DIMENSION "B" CALCULATION =  $.100 [2.54] \times \text{NO. OF COLUMNS} + .450[11.43]$   
DIMENSION "C" CALCULATION =  $.100 [2.54] \times \text{NO. OF COLUMNS} - .100[2.54]$
- ⑧. MANUFACTURE'S LOGO, PN, AND LOT CODE TO APPEAR ON THIS SURFACE.
9. THIS PRODUCT (WITH "LF" SUFFIX) MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
10. THIS HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERTURE FOR 10-30 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
11. ALL POSITIONS ARE LOADED EXCEPT FOR -XXXXY ASSEMBLIES WHICH HAVE SELECTIVE LOADING.

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 4 ROW R/A RECEPTACLE PRESS FIT
w				angles linear 0°±2'	INCH/MM scale 1:1
				dr D.INGRAM 7/13/05	dwg no 50642
				enrg D.HORCHLER 7/13/05	sheet 7 of 7 size A3
				chr T.BREWBAKER 7/13/05	type Product Customer Drawing
				appd D.HORCHLER 7/13/05	
sheet	revision				
index	sheet				