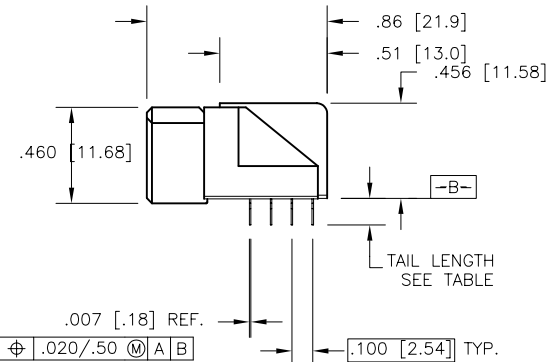
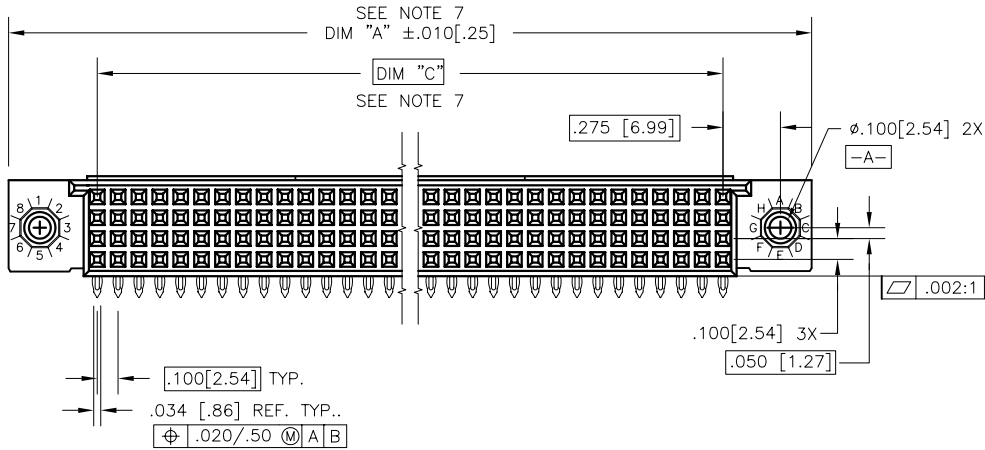
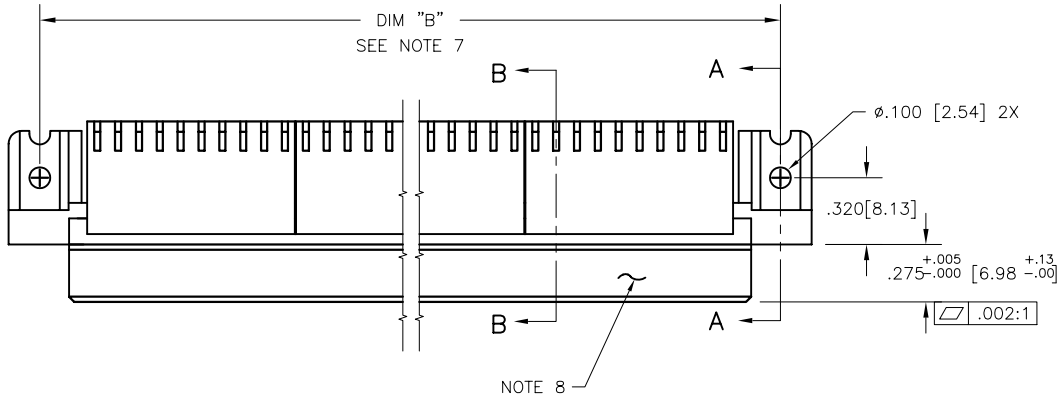




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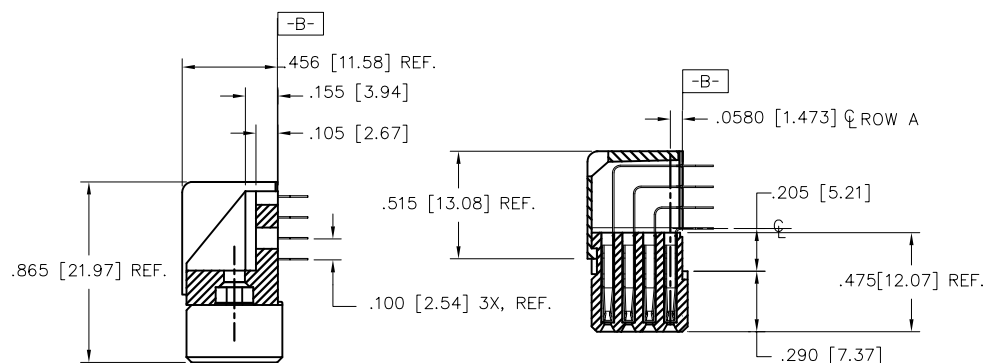
Copyright FCI

PRODUCT NUMBER
SEE TABLE



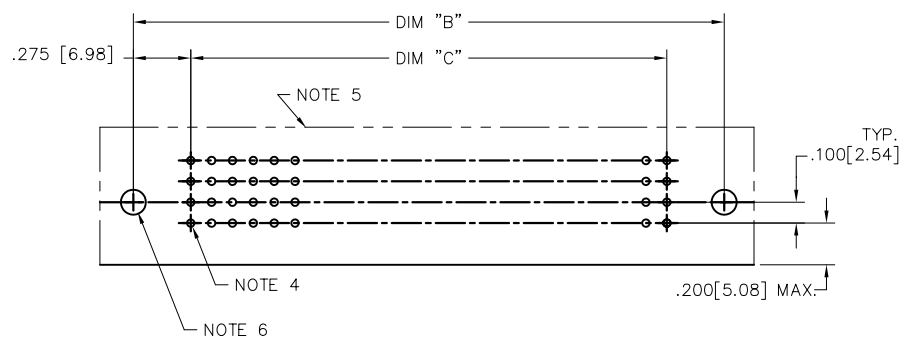
mat'l. code				surface		tolerance		projection		product family			
NOTE 3				ISO 1302		ISO 406 ISO 1101				HPC			
ltr	ecm no	dr	date	tolerances unless otherwise specified						title			
P	V10824	JRW	2/6/01	angles linear		XX±.01/XX±0.3				4 ROW R/A RECEPTACLE			
R	V05-0460	DAI	7/13/05			XXX±.005/XXX±0.13		PRESS FIT					
S	V05-1003	DAI	11/1/05			O'±2'		XXX±.0020/XXX±0.05		scale 1:1			
T	V05-1041	HTB	11/14/05	dr	D.INGRAM		7/13/05				dwg no		
U	M06-0255	MHT	7/06/06	engr	D.HORCHLER		7/13/05				sheet 1 of 7		
V	M06-0388	MHT	10/04/06	chr	T.BREWBAKER		7/13/05				50642		
W	M08-0149	MHT	5/27/08	appd	D.HORCHLER		7/13/05				A3		
sheet index		revision	W	W	W	W	W	W			type		
		sheet	1	2	3	4	5	6	7	Product Customer Drawing			

PRODUCT NUMBER
SEE TABLE



SECTION A-A

SECTION B-B

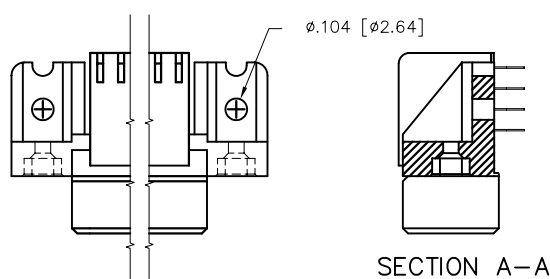


RECOMMENDED PCB LAYOUT

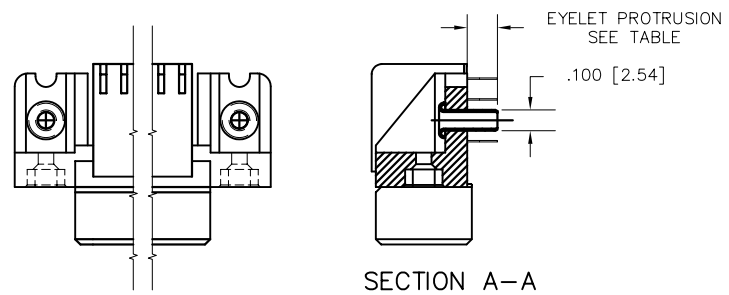
(ALL HOLES LOCATED ON .100[2.54]
GRID UNLESS OTHERWISE SHOWN)

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

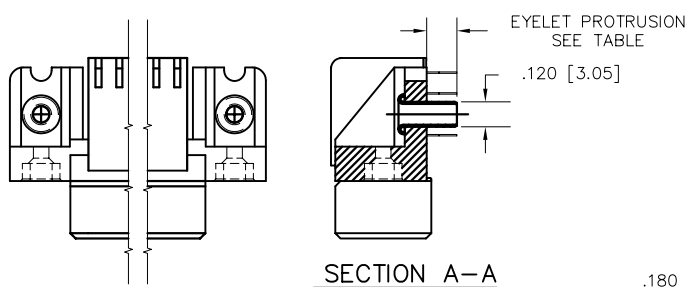
PRODUCT NUMBER
SEE TABLE



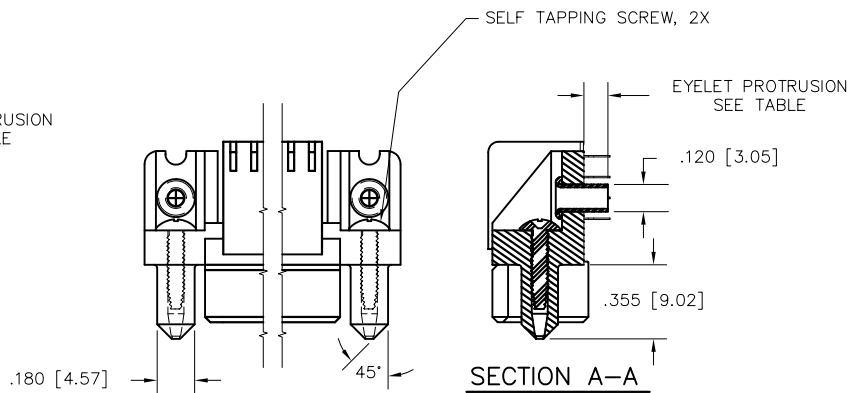
SPECIAL FEATURE OPTION A
SEE NOTE 6



SPECIAL FEATURE OPTION B
SEE NOTE 6



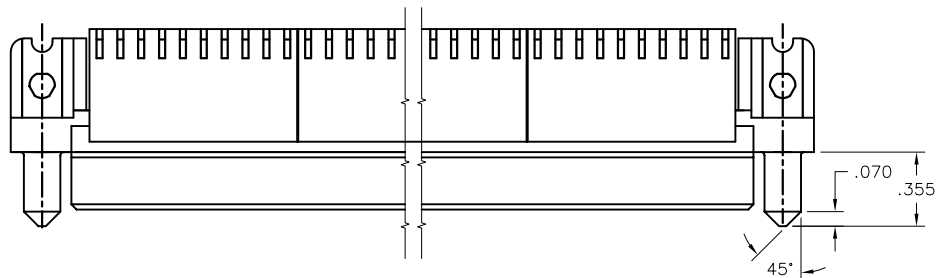
SPECIAL FEATURE OPTION C
SEE NOTE 6



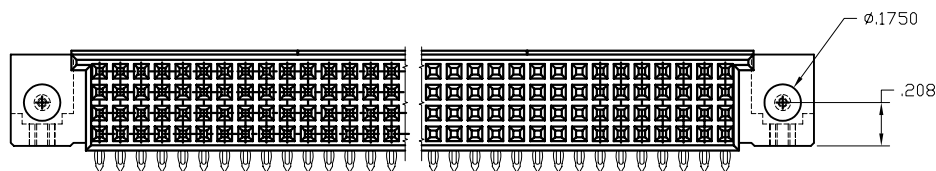
SPECIAL FEATURE OPTION D
SEE NOTE 6

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		scale 1:1	title 4 ROW R/A RECEPTACLE PRESS FIT
W				angles	linear		dwg no
				0°±2°	linear		50642
							sheet 3 of 7
				dr	D.INGRAM	7/13/05	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	revision						
index	sheet						

PRODUCT NUMBER
SEE TABLE



SPECIAL FEATURE OPTION E
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		scale 1:1	title 4 ROW R/A RECEPTACLE PRESS FIT
W				angles	linear		dwg no 50642 sheet 4 of 7 size A3
				0° ± 2°	linear		
				dr	D. INGRAM	7/13/05	type Product Customer Drawing
				enr	D. HORCHLER	7/13/05	
				chr	T. BREWBAKER	7/13/05	
				appd	D. HORCHLER	7/13/05	
sheet index	revision sheet						

PRODUCT NUMBER
50642-XX004
50642-XX004LF

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

60	55	50	45	40	35	31
A	A	A	A	A	A	A
B	B	B	B	B	B	B
C	C	C	C	C	C	C

*

30	25	20	15	10	5	1
A	A	A	A			
B	B					

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	ecm no	dr	date	tolerances unless otherwise specified			title	4 ROW R/A RECEPTACLE PRESS FIT
W				angles	linear	INCH/MM	dwg no	50642
				0° ± 2°	XXX ± 0.01/XX ± 0.3 XXX ± 0.05/XX ± 0.13 XXXX ± 0.020/XXX ± 0.05	scale 1:1	sheet 5 of 7	A3
				dr	D.INGRAM	7/13/05	type	Product Customer Drawing
				enrg	D.HORCHLER	7/13/05		
				chr	T.BREWBAKER	7/13/05		
				appd	D.HORCHLER	7/13/05		
sheet index	revision	sheet						

PRODUCT NUMBER	NUMBER OF POSITIONS NOTE 2	TAIL LENGTH	SPECIAL FEATURES SEE NOTE 6	SOLDER TAIL PLATING	CONTACT PLATING	EYELET PROTRUSION	GUIDE PINS
50642-1YYYE	YYY	.125±.010/3.18±.25	—	TIN LEAD	30u"/.76u Au	N/A	NONE
50642-1YYYELF	YYY	.125±.010/3.18±.25	—	TIN	30u"/.76u GXT	N/A	NONE
50642-1YYYEA	YYY	.125±.010/3.18±.25	"A"	TIN LEAD	30u"/.76u Au	N/A	NONE
50642-1YYYEALF	YYY	.125±.010/3.18±.25	"A"	TIN	30u"/.76u GXT	N/A	NONE
50642-1YYYEB	YYY	.125±.010/3.18±.25	"B"	TIN LEAD	30u"/.76u Au	.145/3.68	NONE
50642-1YYYEBLF	YYY	.125±.010/3.18±.25	"B"	TIN	30u"/.76u GXT	.145/3.68	NONE
50642-1YYYEC	YYY	.125±.010/3.18±.25	"C"	TIN LEAD	30u"/.76u Au	.115/2.92	NONE
50642-1YYYECLF	YYY	.125±.010/3.18±.25	"C"	TIN	30u"/.76u GXT	.115/2.92	NONE
50642-1YYYED	YYY	.125±.010/3.18±.25	"D"	TIN LEAD	30u"/.76u Au	.115/2.92	2
50642-1YYYEDLF	YYY	.125±.010/3.18±.25	"D"	TIN	30u"/.76u GXT	.115/2.92	2
50642-1YYYEE	YYY	.125±.010/3.18±.25	"E"	TIN LEAD	30u"/.76u Au	N/A	2
50642-1YYYEELF	YYY	.125±.010/3.18±.25	"E"	TIN	30u"/.76u GXT	N/A	2
50642-1YYYF	YYY	.145±.010/3.68±.25	—	TIN LEAD	30u"/.76u Au	N/A	NONE
50642-1YYYFLF	YYY	.145±.010/3.68±.25	—	TIN	30u"/.76u GXT	N/A	NONE
50642-1YYYFA	YYY	.145±.010/3.68±.25	"A"	TIN LEAD	30u"/.76u Au	N/A	NONE
50642-1YYYFALF	YYY	.145±.010/3.68±.25	"A"	TIN	30u"/.76u GXT	N/A	NONE
50642-1YYYFC	YYY	.145±.010/3.68±.25	"C"	TIN LEAD	30u"/.76u Au	.145/3.68	NONE
50642-1YYYFCLF	YYY	.145±.010/3.68±.25	"C"	TIN	30u"/.76u GXT	.145/3.68	NONE
50642-1YYYFD	YYY	.145±.010/3.68±.25	"D"	TIN LEAD	30u"/.76u Au	.145/3.68	2
50642-1YYYFDLF	YYY	.145±.010/3.68±.25	"D"	TIN	30u"/.76u GXT	.145/3.68	2
50642-1YYYFE	YYY	.145±.010/3.68±.25	"E"	TIN LEAD	30u"/.76u Au	N/A	2
50642-1YYYFELF	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

mat'l. code NOTE 3				surface ISO 1302 ☒		tolerance ISO 406 ISO 1101		projection 		product family HPC	
ltr	ec'n no	dr	date	tolerances unless otherwise specified							
W				angles	linear	XX±.01/XX±.03		INCH/MM		title 4 ROW R/A RECEPTACLE PRESS FIT	
				0°±2°		XXX±.005/XX±.013		scale 1:1		dwg no 50642	
				dr	D.INGRAM	7/13/05				sheet 6 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

NOTES:

- ①. PRODUCT NUMBERING CODE
 50642- X YYY Z S LF
 LEAD FREE (OPTIONAL)
 SPECIAL FEATURES SEE TABLE
 TAIL LENGTH SEE TABLE
 NO. OF POSITIONS SEE NOTE 2
 PLATING SEE TABLE
 BASE NUMBER

 PRODUCT NUMBERING CODE FOR SELECT LOAD
 50642- XX YYY 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. MATERIAL: PRESS BLOCK – HIGH TEMP THERMOPLASTIC;
 HOUSING–GLASS AND MINERAL FILLED HIGH TEMPURTURE 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 TEMPURTURE 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							
W				angles	linear	$.00\pm.01/.00\pm.03$		INCH/MM		title 4 ROW R/A RECEPTACLE PRESS FIT	
						$.00\pm.005/.00\pm.013$		scale 1:1		dwg no 50642	
						$.0000\pm.0020/.0000\pm.005$		FCI		sheet 7 of 7 size A3	
				dr	D.INGRAM	7/13/05				type Product Customer Drawing	
				engr	D.HORCHLER	7/13/05					
				chr	T.BREWBAKER	7/13/05					
				appd	D.HORCHLER	7/13/05					
sheet	revision										
index	sheet										