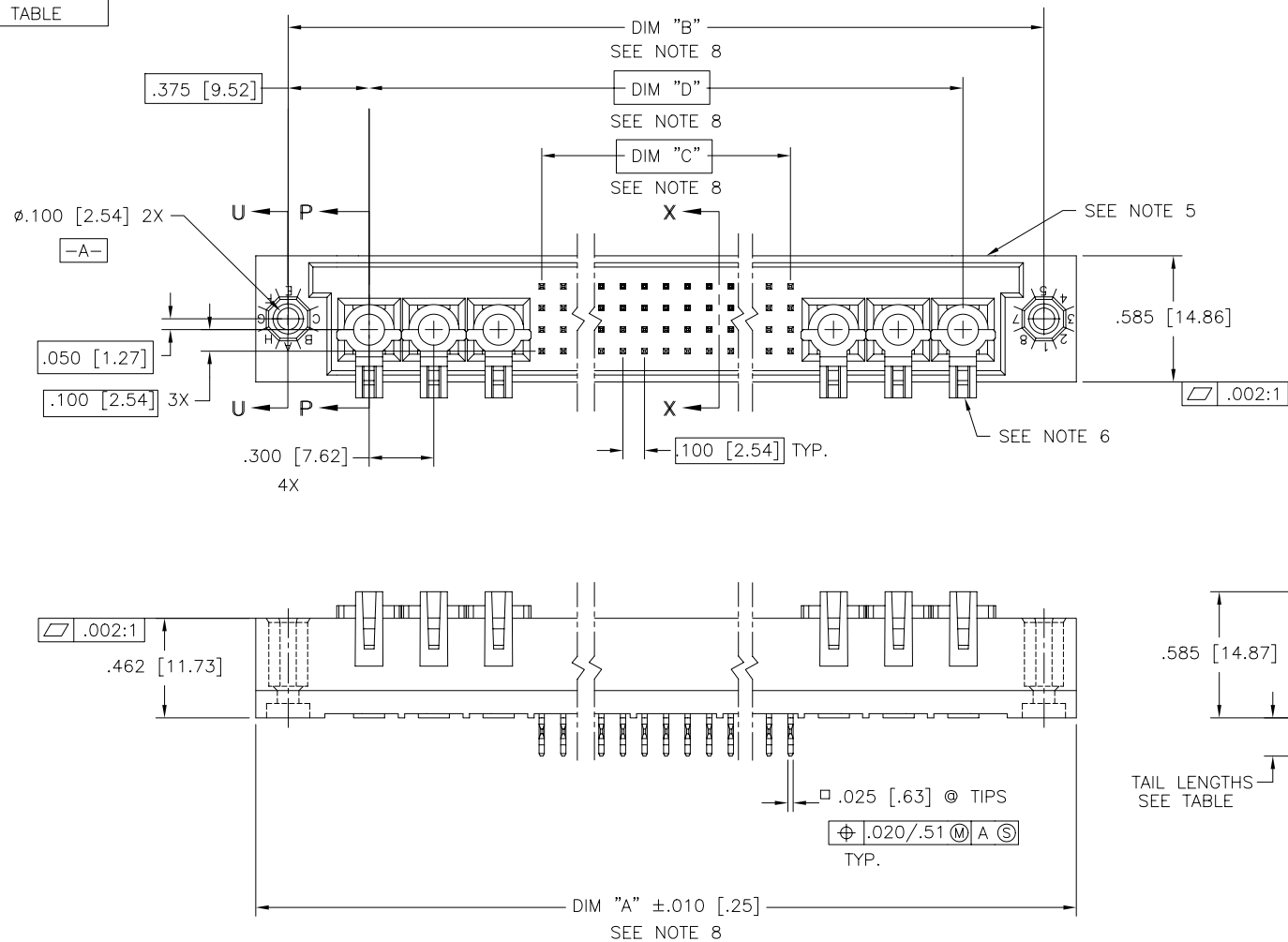




FCIconnect.com

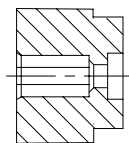
Copyright FCI



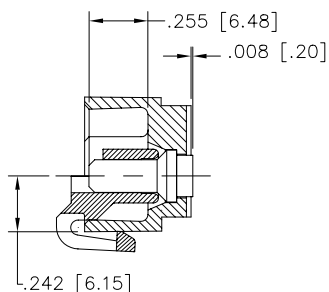
mat'l. code SEE NOTE 3				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection INCH/MM	product family HPC
ltr	ecn	no	dr	date	tolerances unless otherwise specified		title
E	v92856	HTB	8/30/99		angles	.XX ±.01/.3	4 ROW VERTICAL HEADER
F	v00273	JWS	2/01/00		linear	.XXX ±.005/.13	PRESS FIT, 0 G. P., 6 P.P.
G	v05-0418	DAI	5/12/05		σ±2°	.XXXX ±.0020/.051	dwg no
H	v05-0626	HTB	7/06/05	dr	D. SHEAFFER	5/07/92	sheet 1 of 5 size
J	v05-0857	DCH	9/06/05	enr	S. CLARK	5/11/92	50514 A3
K	v05-1048	DAI	11/15/05	chr	S. CLARK	5/11/92	type
L	M06-0261	AEA	7/08/06	appd	S. CLARK	5/11/92	Product Customer Drawing
sheet	revision	L	L	L	L	L	
index	sheet	1	2	3	4	5	

form: A3

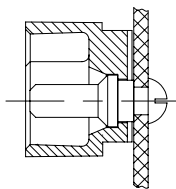
PRODUCT NUMBER
SEE TABLE



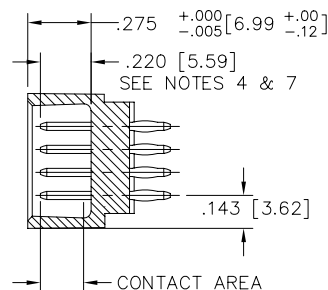
SECTION U-U



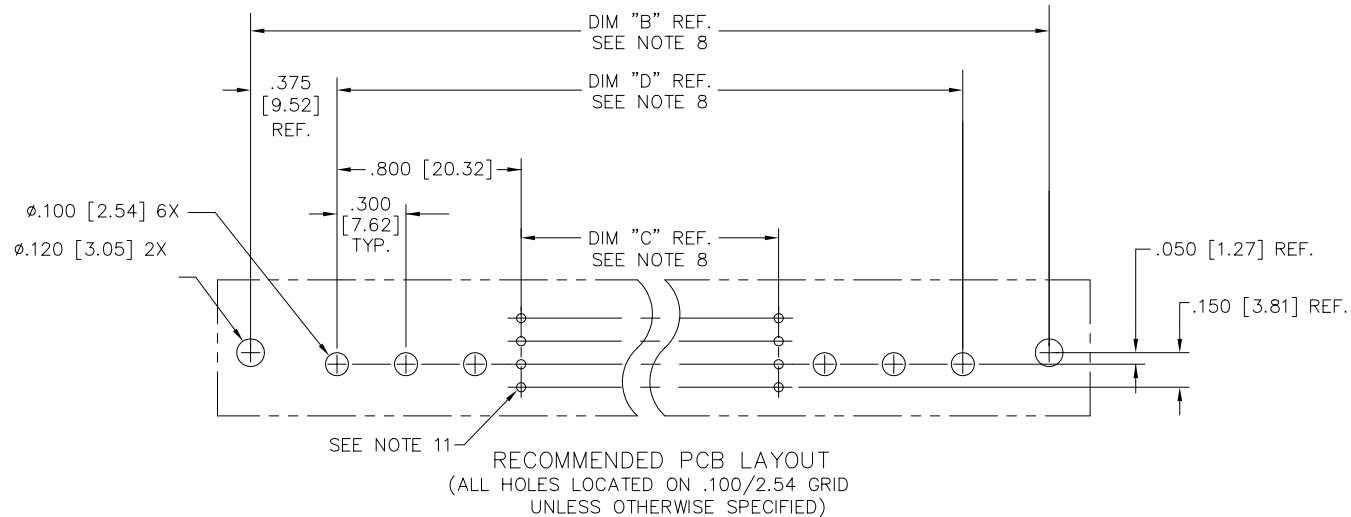
SECTION P-P
(W/LOCATOR,
SEE DETAIL P)



DETAIL P
(INSTALLED IN
PCB, SEE NOTE 6)



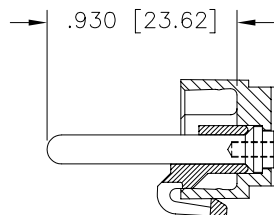
SECTION X-X



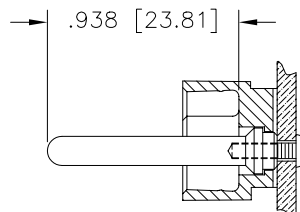
mat'l. code SEE NOTE 3		surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection INCH/MM	product family HPC
ltr	ecm no	dr	date	tolerances unless otherwise specified	title
L				angles linear .XX ±.01/.3 .XXX ±.005/.13 0°±2° .XXXX ±.0020/.051	4 ROW VERTICAL HEADER PRESS FIT, 0 G. P., 6 P.P.
				dr D. SHEAFFER 5/07/92	dwg no 50514 sheet 2 of 5 size A3
				enr S. CLARK 5/11/92	
				chr S. CLARK 5/11/92	
				appd S. CLARK 5/11/92	
sheet index	revision sheet				type Product Customer Drawing

Diagram illustrating the dimensions for Section V-V:

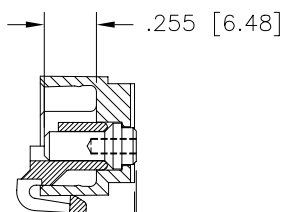
- MATING LENGTH**: SEE TABLE BELOW
- TAIL LENGTH**: SEE TABLE BELOW



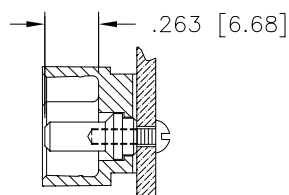
SECTION Z-Z



SECTION Z-Z
(INSTALLED)



SECTION W-W



SECTION W-W
(INSTALLED)

NOTES: FOR LOAD PATTERN 50514-XX001, 50514-XX001LF,
50514-XX001B AND 50514-X001BLF ONLY:

1. (58) POSITIONS SHOWN BLANK ARE LOADED WITH ITEM "1", FROM TABLE BELOW.
2. COLUMN 1 ROW A IS DESIGNATED AS PIN 1. VIEWED FROM THE MATING FACE.

③ SHIPPING INSTRUCTIONS:

X PC(S) OF 50514-XX001
PACKAGED PER BUS-14-143 AND
SPECIAL PACKAGING REQUIREMENTS:

2X PCS OF 77549-004
PLASTIC ORIENTATION KEY-
TOTAL QTY. BAGGED SEPARATELY
W/ALL OF THE ABOVE TO BE
PACKED IN THE SAME BOX.

4. POWER PIN LOCATOR (REF. 50234) TO BE REMOVED AFTER BOARD INSTALLATION.

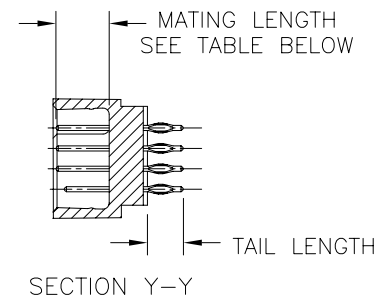
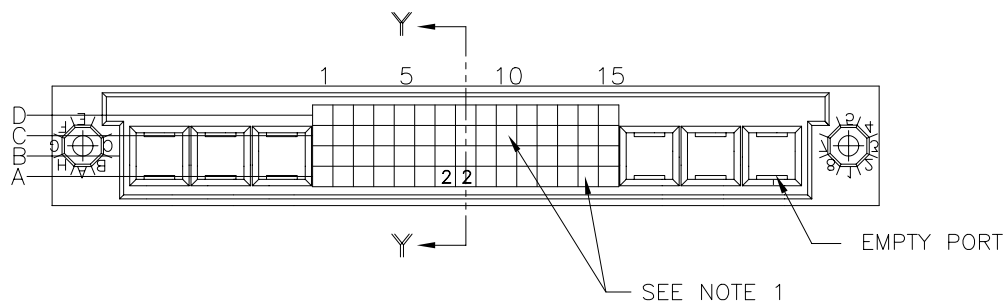
SELECT LOAD

LOAD PATTERN FOR 50514-XX001, -XX001LF,
50514-XX001B, AND -XX001BLF

ITEM	SIZE-4X15+6P	NUMBER OF POSITIONS-60S+6P	POSITIONS LOADED-60S+6P	
	QTY.	PART NAME	MATING LENGTH	TAIL LENGTH
1	58	SIGNAL PIN	.260/6.6	.250/6.35
2	2	SIGNAL PIN	.220/5.59	.250/6.35
3	5	POWER PIN	.263/6.68	N/A
4	1	POWER PIN	.938/23.83	N/A
5	2	LOCATOR	NOT-ASSEMBLED - SEE NOTE 3	

mat'l. code SEE 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 VERTICAL HEADER PRESS FIT, 0 G. P., 6 P.P.			
L				angles linear		.xx ±.01/.3 .xxx ±.005/.13 .0xxx ±.0020/.051							
				0°±2'				scale 1:1		dwg no sheet 3 of 5 size			
				dr D. SHEAFFER		5/07/92				50514 A.			
				enr S. CLARK		5/11/92							
				chr S. CLARK		5/11/92							
				appd S. CLARK		5/11/92							
sheet index		revision								type Product Customer Drawing			
sheet		sheet											

PRODUCT NUMBER
50514-XX008
50514-XX008LF



NOTES FOR LOAD PATTERN 50514-XX008 AND 50514-XX008LF ONLY:

- (58) POSITIONS SHOWN BLANK ARE LOADED WITH ITEM "1", EXCEPT WHERE NOTED.
- COLUMN 1 ROW A IS DESIGNATED AS PIN 1, VIEWED FROM THE MATING FACE.

SELECT LOAD

LOAD PATTERN FOR 50514-XX008
AND 50514-XX008LF

ITEM	SIZE-4X15+6P	NUMBER OF POSITIONS-60S+6P	POSITIONS LOADED-60S+0P
	QTY.	PART NAME	MATING LENGTH
1	58	SIGNAL PIN	.260/6.60
2	2	SIGNAL PIN	.220/5.59

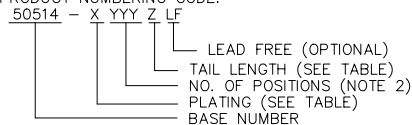
mat'l. code	surface	tolerance	projection	product family
SEE NOTE 3	ISO 1302	ISO 406		HPC
ltr	ecn no	date		title
L				4 ROW VERTICAL HEADER
	angles	linear	INCH/MM	PRESS FIT, 0 G. P., 6 P.P.
	0°±2°	.XX ±.01/.3	scale 1:1	dwg no
	dr	D. SHEAFFER 5/07/92		sheet 4 of 5 size
	enfr	S. CLARK 5/11/92		50514 A3
	chr	S. CLARK 5/11/92		type
	appd	S. CLARK 5/11/92		Product Customer Drawing
sheet index	revision sheet			

form: A3

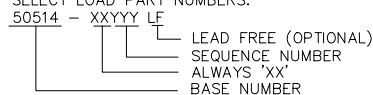
PRODUCT NUMBER SEE NOTE 1 & 9	NUMBER OF POSITIONS SEE NOTE 2	TAIL LENGTH REF.	CONTACT PLATING
50514-1YYYYA	YYY	.177/4.50	30u"/0.76μ Au
50514-1YYYYG	YYY	.250/6.35	30u"/0.76μ Au
50514-5YYYYA	YYY	.177/4.50	30u"/0.76μ GXT
50514-5YYYYALF	YYY	.177/4.50	30u"/0.76μ GXT
50514-5YYYYG	YYY	.250/6.35	30u"/0.76μ GXT
50514-5YYYYGLF	YYY	.250/6.35	30u"/0.76μ GXT
50514-XX001	SEE SHEET 3	SEE SHEET 3	30u"/0.76μ Au
50514-XX001LF	SEE SHEET 3	SEE SHEET 3	30u"/0.76μ GXT
50514-XX001B	SEE SHEET 3	SEE SHEET 3	30u"/0.76μ Au
50514-XX001BLF	SEE SHEET 3	SEE SHEET 3	30u"/0.76μ GXT
50514-XX008	SEE SHEET 4	SEE SHEET 4	30u"/0.76μ Au
50514-XX008LF	SEE SHEET 4	SEE SHEET 4	30u"/0.76μ GXT

NOTES:

- ①. PRODUCT NUMBERING CODE:



PRODUCT NUMBERING CODE FOR
SELECT LOAD PART NUMBERS:



- 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:
HOUSING: GLASS FILLED AND MINERAL FILLED HIGH TEMP THERMOPLASTIC,
FLAME RETARDANT PER UL-94V-0
COLOR: BLACK
TERMINALS: PHOS BRONZE
- ④. TO ASSURE PROPER INSTALLATION, TOOLING AS SPECIFIED IN INSTRUCTION MANUAL 155918-001 MUST BE USED. PIN MATING LENGTH WILL BE $\pm 0.002(0.05)$ AFTER INSTALLATION.
- ⑤. MANUFACTURERS NAME, PART NUMBER, AND LOT CODE TO APPEAR ON THIS SURFACE PER BUS-12-108.
- ⑥. POWER PIN LOCATOR (REF 50234) IS TO BE REMOVED AFTER INSTALLATION.
- ⑦. REFER TO 50804 FOR F.M.L.B. OPTIONS AND WORKSHEETS.
- ⑧. LENGTH CALCULATIONS:
DIM "A" CALCULATION = $.100(2.54) \times \text{NO. OF COLUMNS} + 2.55 (64.8)$
DIM "B" CALCULATION = $.100(2.54) \times \text{NO. OF COLUMNS} + 2.250 (57.15)$
DIM "C" CALCULATION = $.100(2.54) \times \text{NO. OF COLUMNS} - .100 (2.54)$
DIM "D" CALCULATION = $.100(2.54) \times \text{NO. OF COLUMNS} + 1.500 (38.10)$

- 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 TEMPERATURE FOR 10-30 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
- ⑪. PCB HOLES FOR PRESS FIT TERMINALS SHOULD BE DRILLED TO $.0453(1.151)$ DIA. AND PLATED WITH $.0003(.007)$ MIN Sn OR SnPb OVER $.001(.03)$ TO $.003(0.76)$ Cu PLATING TO ACHIEVE A $.040 \pm .003(1.02 \pm .08)$ FINISHED HOLE.

mat'l. code SEE NOTE 3			surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection 	product family HPC
ltr	ecn	no	dr	date	tolerances unless otherwise specified	title
L					linear .XX ±.01/.3 .XXX ±.005/.13 0°±2° .XXXX ±.0020/.051	4 ROW VERTICAL HEADER PRESS FIT, 0 G. P., 6 P.P.
					dr	D. SHEAFFER 5/07/92
					enrg	S. CLARK 5/11/92
					chr	S. CLARK 5/11/92
					appd	S. CLARK 5/11/92
sheet index	revision sheet					type Product Customer Drawing

