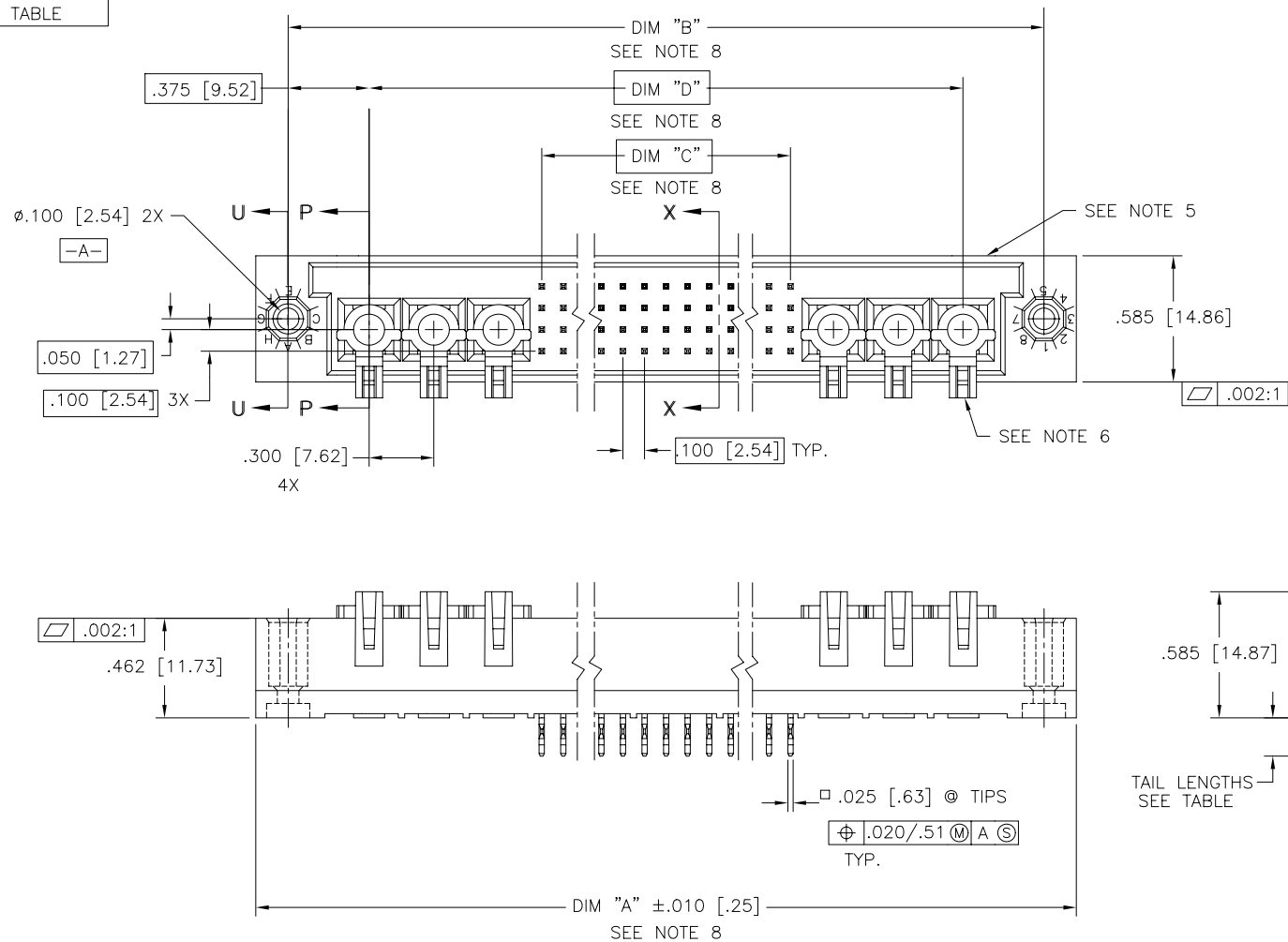




FCIconnect.com

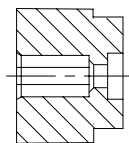
Copyright FCI



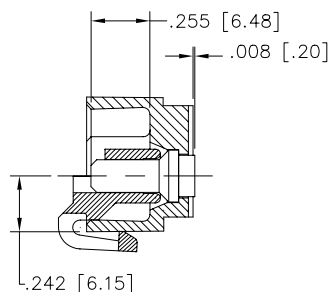
mat'l. code	SEE NOTE 3	surface	ISO 1302	tolerance	ISO 406	projection	product family
ltr	ecn no	dr	date	tolerances unless otherwise specified	ISO 1101	INCH/MM	HPC
E	v92856	HTB	8/30/99	angles	linear	scale 1:1	title
F	v00273	JWS	2/01/00	linear	linear		4 ROW VERTICAL HEADER
G	v05-0418	DAI	5/12/05	σ±2'	linear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

form: A3

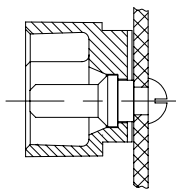
PRODUCT NUMBER
SEE TABLE



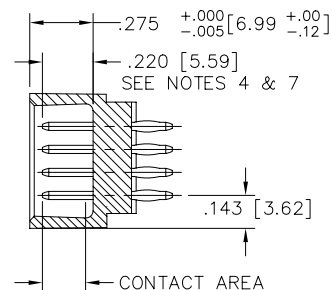
SECTION U-U



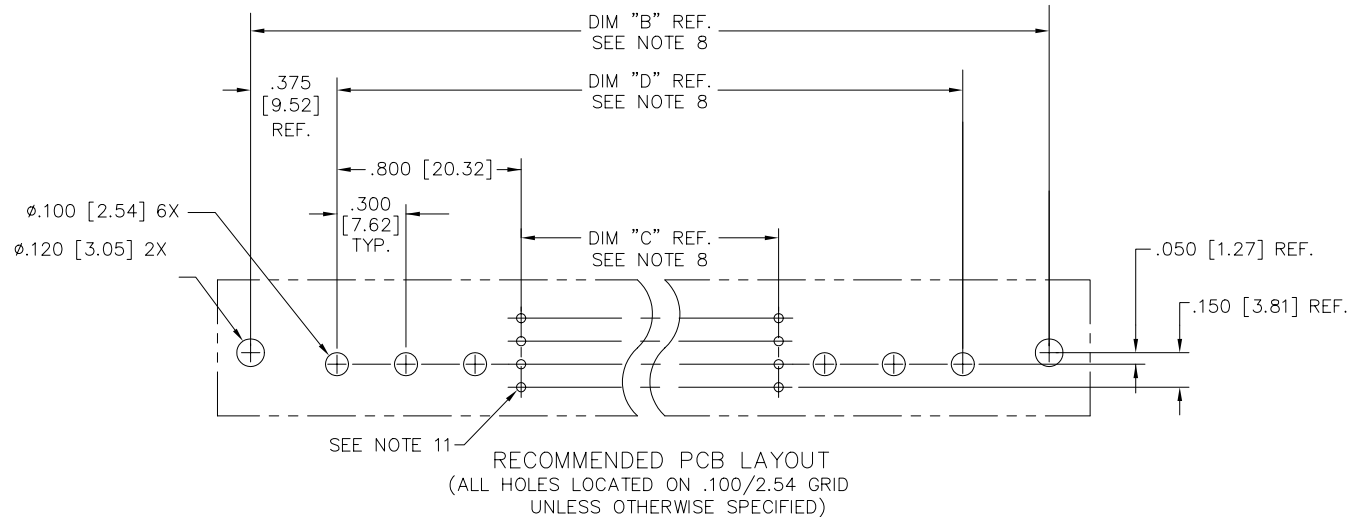
SECTION P-P
(W/LOCATOR,
SEE DETAIL P)



DETAIL P
(INSTALLED IN
PCB, SEE NOTE 6)

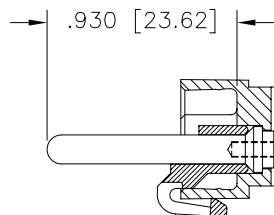


SECTION X-X

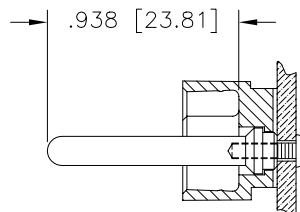


mat'l. code SEE NOTE 3		surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection INCH/MM	product family HPC
ltr	ecm no	dr	date	tolerances unless otherwise specified	title
L				angles linear .XX ±.01/.3 .XXX ±.005/.13 0°±2° .XXXX ±.0020/.051	4 ROW VERTICAL HEADER PRESS FIT, 0 G. P., 6 P.P.
				dr D. SHEAFFER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

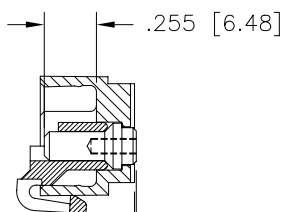
Diagram illustrating the connection between the cable and the cable jacket, showing the mating length and tail length. The mating length is the distance from the end of the cable jacket to the end of the cable. The tail length is the distance from the end of the cable jacket to the end of the cable jacket.



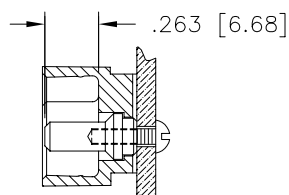
SECTION Z-Z



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.

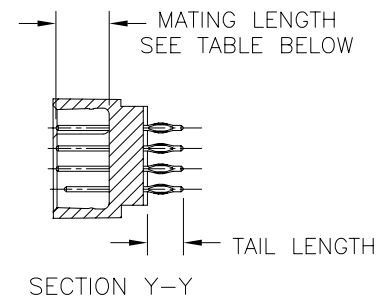
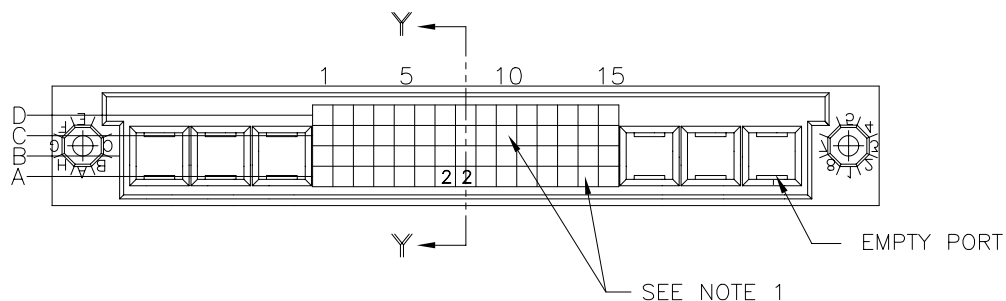
SELECT LOAD

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			
itr ecn no dr date				tolerances unless otherwise specified		 .XX ±.01/.3 .XXX ±.005/.13 .XXXX ±.0020/.051		 INCH/MM scale 1:1		title			
L				angles linear						4 ROW VERTICAL HEADER			
				0°±2'						PRESS FIT, 0 G. P., 6 P.P.			
				dr D. SHEAFFER		5/07/92				dwg no sheet 3 of 5 size			
				enrg S. CLARK		5/11/92				50514 A.			
				chr S. CLARK		5/11/92							
				appd S. CLARK		5/11/92				type Product Customer Drawing			
sheet index		revision 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	TAIL LENGTH
1	58	SIGNAL PIN	.260/6.60	.250/6.35
2	2	SIGNAL PIN	.220/5.59	.250/6.35

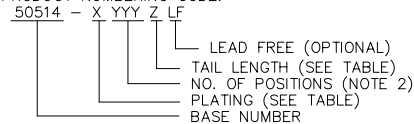
mat'l. code SEE NOTE 3				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection INCH/MM	product family HPC
ltr	ec	no	dr	date	tolerances unless otherwise specified		title
L					angles linear	.XX ±.01/.3 .XXX ±.005/.13 .XXXX ±.0020/.051	4 ROW VERTICAL HEADER PRESS FIT, 0 G. P., 6 P.P.
					dr	D. SHEAFFER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

form: A3

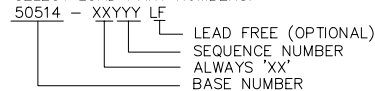
PRODUCT NUMBER SEE NOTE 1 & 9	NUMBER OF POSITIONS SEE NOTE 2	TAIL LENGTH REF.	CONTACT PLATING
50514-1YYYYA	YYY	.177/4.50	30u"/0.76μ Au
50514-1YYYYG	YYY	.250/6.35	30u"/0.76μ Au
50514-5YYYYA	YYY	.177/4.50	30u"/0.76μ GXT
50514-5YYYYALF	YYY	.177/4.50	30u"/0.76μ GXT
50514-5YYYYG	YYY	.250/6.35	30u"/0.76μ GXT
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	ec	no	dr	date	tolerances unless otherwise specified	INCH/MM scale 1:1 	title 4 ROW VERTICAL HEADER PRESS FIT, 0 G. P., 6 P.P.	
L					angles linear .XX ±.01/.3			
					.XXX ±.005/.13			
					0°±2' .XXXX ±.0020/.051			
				dr	D. SHEAFFER 5/07/92		dwg no	sheet 5 of 5 size
				enr	S. CLARK 5/11/92		50514	A3
				chr	S. CLARK 5/11/92			
				appd	S. CLARK 5/11/92			
sheet index	revision sheet						type	Product Customer Drawing

form: A3