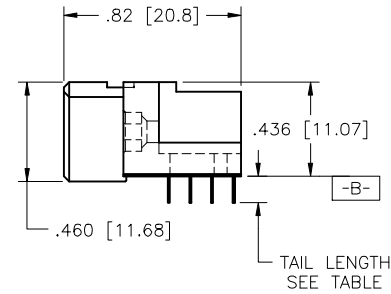
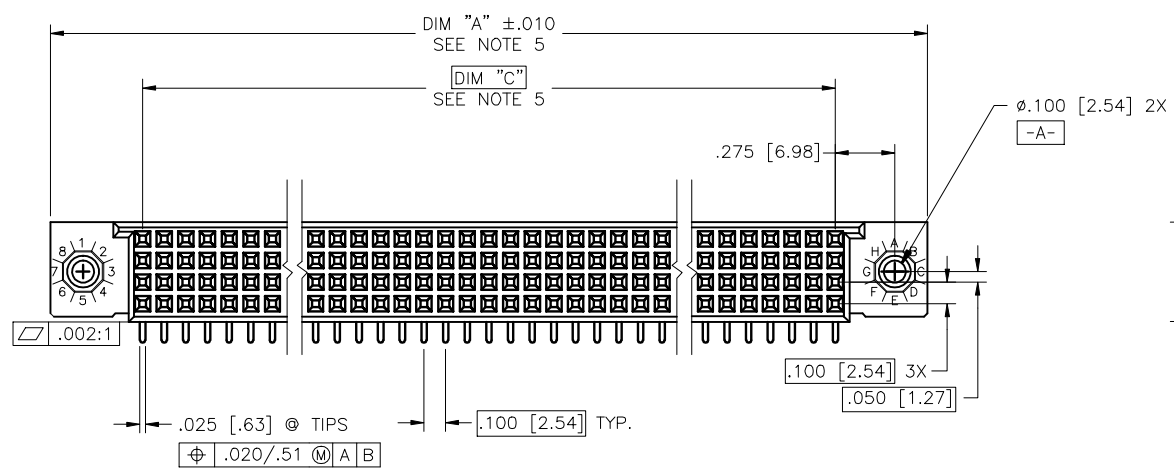
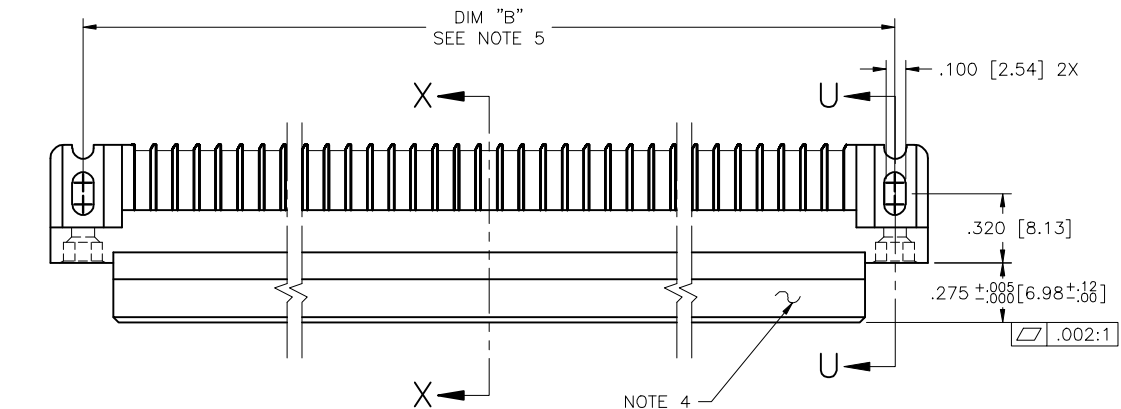


PRODUCT NUMBER
SEE TABLE



mat'l. code	SEE NOTE 3	surface	ISO 1902	tolerance	ISO 406	projection	ISO 1801	product family	HPC
ltr	ecn no	dr	date	tolerances unless otherwise specified				title	
K	V50266	SAR	9/5/95	angles	linear	XX±.01/XX±0.3	INCH/MM	4 ROW R/A RECEPTACLE	
L	V82251	HTB	12/28/98			XXX±.005/XX±0.13		SOLDER TAIL, 0 GUIDE PIN	
M	V00253	JWS	1/12/00	0'±2'		XXXX±.0020/XXX±0.051	scale 1:1		
N	V05-0513	DAI	10/19/05	dr	D.SHEAFER	1/7/90		dwg no	sheet 1 of 4 size
P	M06-0283	MHT	7/27/06	engr	S.CLARK	1/7/90		50003	A3
R	M07-0136	AGS	2/26/07	chr	S.CLARK	1/7/90		type	Product Customer Drawing
S	M08-0280	AGS	9/30/08	appd	S.CLARK	1/7/90			
sheet	revision	S	S	S	S	S			
index	sheet	1	2	3	4				

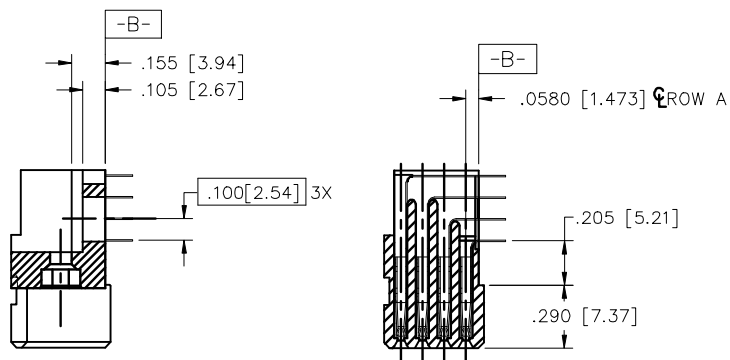
PRODUCT NUMBER
SEE TABLE

NOTES:

1. PRODUCT NUMBERING CODE:
50003 - X YYY Z LF
LEAD FREE (OPTIONAL)
TAIL LENGTH SEE TABLE
NO. OF POSITIONS SEE NOTE 2
PLATING SEE TABLE
BASE NUMBER

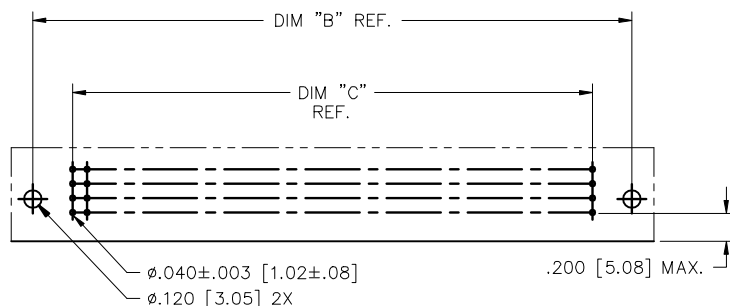
- PRODUCT NUMBERING CODE FOR
SELECT LOAD PART NUMBERS:
50003 - XXYYY LF
LEAD FREE (OPTIONAL)
SEQUENCE NUMBER
ALWAYS 'XX'
BASE NUMBER

- 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. HOUSING MATERIAL: GLASS AND MINERAL FILLED THERMOPLASTIC.
CONTACT MATERIAL: BeCu
- ④. COMPANY NAME, PART NUMBER AND LOT CODE TO
APPEAR ON THIS SURFACE PER BUS-12-108.
- ⑤. LENGTH FORMULAS
DIM A = $.100/2.54 \times \text{NO. OF COLUMNS} + .75/19.1$
DIM B = $.100/2.54 \times \text{NO. OF COLUMNS} + .450/11.43$
DIM C = $.100/2.54 \times \text{NO. OF COLUMNS} - .100/2.54$
6. PRODUCT WITH 'LF' SUFFIX MEETS EUROPEAN UNION
DIRECTIVES AND OTHER COUNTRY REGULATIONS AS
DISCRIBED IN GS-22-008.
7. THIS HOUSING WILL WITHSTAND EXPOSURE TO 260° C PEAK
TEMPERATURE FOR 10-30 SECONDS IN CONVECTION, INFRA-RED
OR VAPOR PHASE REFLOW OVEN.
- ⑧. DUE TO SPECIAL PLATING, LF NOT AVAILABLE FOR 50003-XX002.
- ⑨. PLATING OPTION:
MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.



SECTION U-U

SECTION X-X



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

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
S				angles	linear		4 ROW R/A RECEPTACLE SOLDER TAIL, 0 GUIDE PIN
				0° ± 2'	linear	scale 1:1	dwg no
				dr	D.SHEAFER	1/7/90	sheet 2 of 4
				engr	S.CLARK	1/7/90	size
				chr	S.CLARK	1/7/90	A3
				appd	S.CLARK	1/7/90	type
sheet	revision						Product Customer Drawing
index	sheet						

PRODUCT NUMBER
SEE TABLE

50003-XX002 ONLY

	75	70	65	60	55	50	45	40	36
D	D	D	D	D	D	D	D	D	D
C	C	C	C	C	C	C	C	C	C
B	B	B	B	B	B	B	B	B	B
A	A	A	A	A	A	A	A	A	A

35	30	25	20	15	10	5	1	
D	D	D	D	D	D	D	D	D
C	C	C	C	C	C	C	C	C
B	B	B	B	B	B	B	B	B
A	A	A	A	A	A	A	A	A

TERM.
1

NOTES FOR 50003-XX002 ONLY:

- ALL POSITIONS ARE LOADED AS SHOWN.
- COLUMN 1, ROW A IS DESIGNATED AS SIGNAL TERM. 1, AS VIEWED FROM THE MATING FACE.
- SIGNAL DATA FOR 50003-XX002
SIZE 4X 75
TOTAL NUMBER OF POSITIONS: 300
TOTAL NUMBER OF POSITIONS LOADED: 300

ITEM KEY	QTY.	TAIL LENGTH
A	75	.125 / 3.18
B	75	.125 / 3.18
C	75	.125 / 3.18
D	75	.125 / 3.18

mat'l. code SEE NOTE 3		surface ISO 1902	tolerance ISO 406 ISO 1901	projection 	product family HPC
ltr	ec'n no	dr	date	tolerances unless otherwise specified	title 4 ROW R/A RECEPTACLE SOLDER TAIL, 0 GUIDE PIN
S				angles linear XXX.01/XX.03 XXX.005/XX.013 XXX.0020/XXX.0051	INCH/MM scale 1:1
				dr D.SHEAFER 1/7/90	dwg no 50003
				engr S.CLARK 1/7/90	sheet 3 of 4 size A3
				chr S.CLARK 1/7/90	type Product Customer Drawing
				appd S.CLARK 1/7/90	
sheet index	revision sheet				

PRODUCT NUMBER	NUMBER OF POSITIONS SEE NOTE 2	TAIL LENGTH	CONTACT PLATING NOTE 9	TAIL PLATING
50003-1YYYY	YYY	.125±.010 / 3.18±0.25	30u" /0.76u Au	TIN/LEAD
50003-1YYYELF	YYY	.125±.010 / 3.18±0.25	30u" /0.76u Au	TIN
50003-1YYYYF	YYY	.145±.010 / 3.68±0.25	30u" /0.76u Au	TIN/LEAD
50003-1YYYFLF	YYY	.145±.010 / 3.68±0.25	30u" /0.76u Au	TIN
50003-1YYYYH	YYY	.180±.010 / 4.57±0.25	30u" /0.76u Au	TIN/LEAD
50003-1YYYYHLF	YYY	.180±.010 / 4.57±0.25	30u" /0.76u Au	TIN
50003-3YYYY	YYY	.125±.010 / 3.18±0.25	50u" /1.27u Au	TIN/LEAD
50003-3YYYELF	YYY	.125±.010 / 3.18±0.25	50u" /1.27u Au	TIN
50003-3YYYYF	YYY	.145±.010 / 3.68±0.25	50u" /1.27u Au	TIN/LEAD
50003-3YYYFLF	YYY	.145±.010 / 3.68±0.25	50u" /1.27u Au	TIN
50003-5YYYY	YYY	.125±.010 / 3.18±0.25	30u" /0.76u GXT	TIN/LEAD
50003-5YYYELF	YYY	.125±.010 / 3.18±0.25	30u" /0.76u GXT	TIN
50003-5YYYYF	YYY	.145±.010 / 3.68±0.25	30u" /0.76u GXT	TIN/LEAD
50003-5YYYFLF	YYY	.145±.010 / 3.68±0.25	30u" /0.76u GXT	TIN
50003-5YYYYH	YYY	.180±.010 / 4.57±0.25	30u" /0.76u GXT	TIN/LEAD
50003-5YYYYHLF	YYY	.180±.010 / 4.57±0.25	30u" /0.76u GXT	TIN
50003-XX002	YYY	.125±.010 / 3.18±0.25	80u" /2.03u Au	TIN/LEAD

NOTE 8

mat'l. code		NOTE 8 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 scale 1:1	title 4 ROW R/A RECEPTACLE SOLDER TAIL, 0 GUIDE PIN
S				angles	linear		
				0°±2'	XXX±.01/XX±0.3 XXX±.005/XX±0.13 XXX±.0020/XXX±0.051		dwg no 50003
				dr	D.SHEAFER 1/7/90		sheet 4 of 4 size A3
				engr	S.CLARK 1/7/90		type Product Customer Drawing
				chr	S.CLARK 1/7/90		
				appd	S.CLARK 1/7/90		
sheet index	revision sheet						

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

FCI:

[50003-1100E](#) [50003-1140E](#) [50003-1120ELF](#) [50003-3120ELF](#) [50003-5084ELF](#) [50003-5100ELF](#) [50003-5240ELF](#)
[50003-1064E](#) [50003-1072E](#) [50003-1200E](#) [50003-5100E](#) [50003-5240E](#) [50003-5320E](#) [50003-5076FLF](#) [50003-](#)
[5200FLF](#) [50003-5260FLF](#) [50003-1048E](#)