

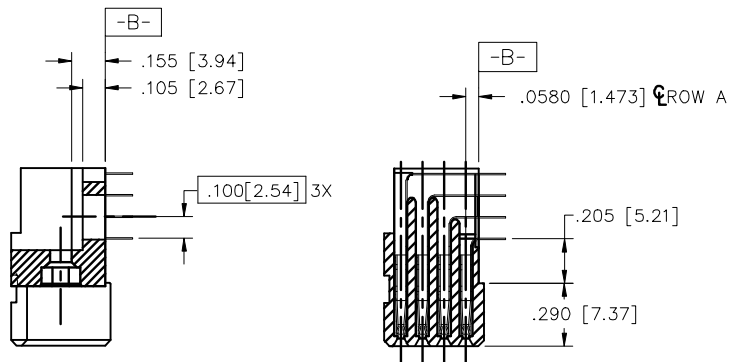
PRODUCT NUMBER
SEE TABLE

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

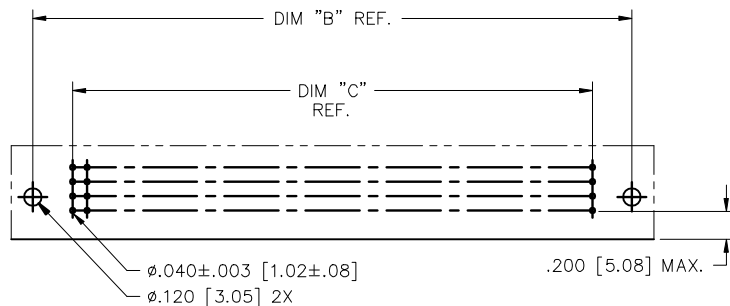
- PRODUCT NUMBERING CODE FOR
SELECT LOAD PART NUMBERS:
50003 - XXYYY LF
LEAD FREE (OPTIONAL)
SEQUENCE NUMBER
ALWAYS 'XX'
BASE NUMBER

- 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	projection	product family
ltr	ecn no	dr	date	tolerances unless otherwise specified			HPC
S				linear	$.XX \pm .01 / X \pm 0.3$	INCH/MM	title
				angles	$.XXX \pm .005 / XX \pm 0.13$		4 ROW R/A RECEPTACLE
				$0' \pm 2'$	$.XXX \pm .0020 / XXX \pm 0.051$	scale 1:1	SOLDER TAIL, 0 GUIDE PIN
		dr	D.SHEAFER	1/7/90			dwg no
		engr	S.CLARK	1/7/90			sheet 2 of 4
		chr	S.CLARK	1/7/90			size
		appd	S.CLARK	1/7/90			A3
sheet	revision						type
index	sheet						Product Customer Drawing

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.
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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		surface		tolerance		projection		product family	
SEE NOTE 3		ISO 1902		ISO 406		ISO 1901		HPC	
ltr	ec'n no	dr	date	tolerances unless otherwise specified		INCH/MM		title	
S				linear		XXX.01/XX.03		4 ROW R/A RECEPTACLE	
				angles		XXX.006/XX.013		SOLDER TAIL, 0 GUIDE PIN	
				0'±2'		XXX.0020/XXX.0051		scale 1:1	
				dr		D.SHEAFER 1/7/90		dwg no	
				engr		S.CLARK 1/7/90		sheet 3 of 4	
				chr		S.CLARK 1/7/90		size	
				appd		S.CLARK 1/7/90		A3	
sheet index		revision sheet						type Product Customer Drawing	

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