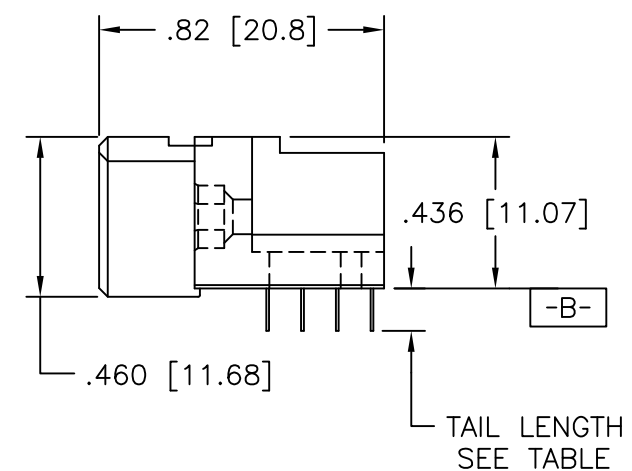
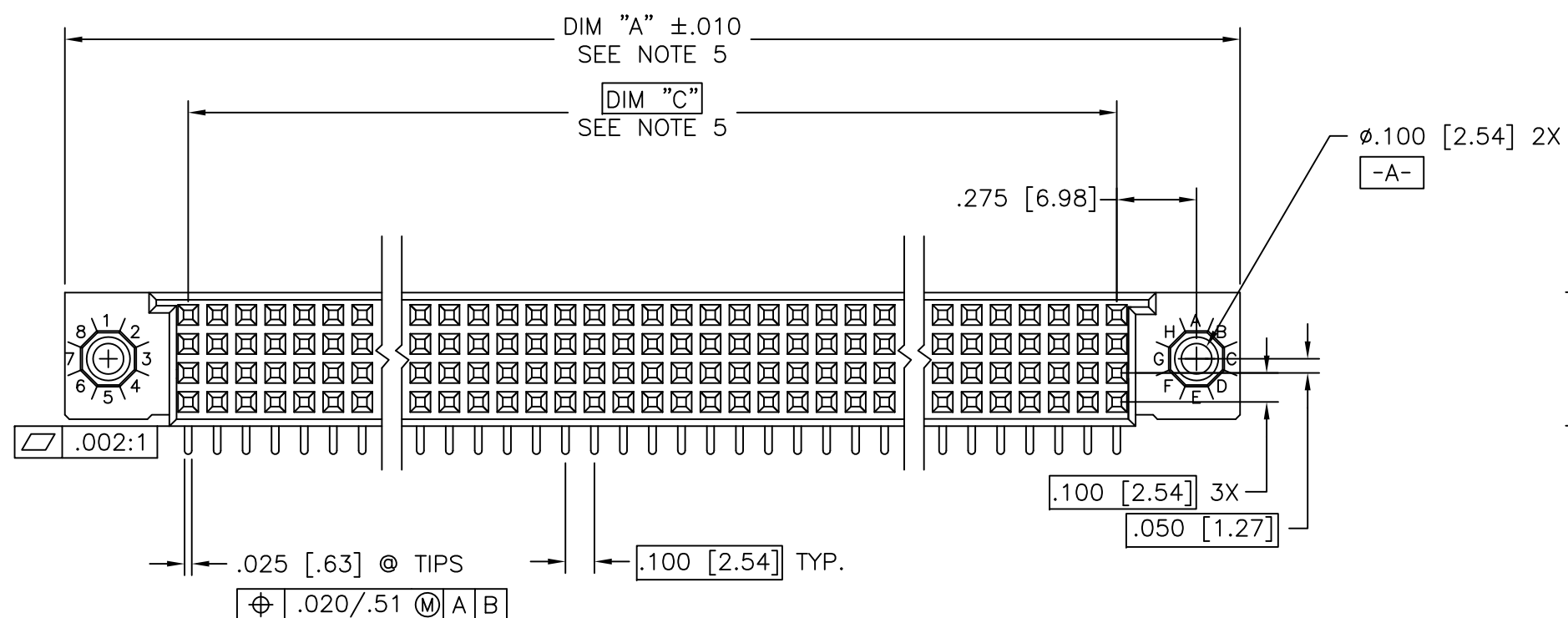
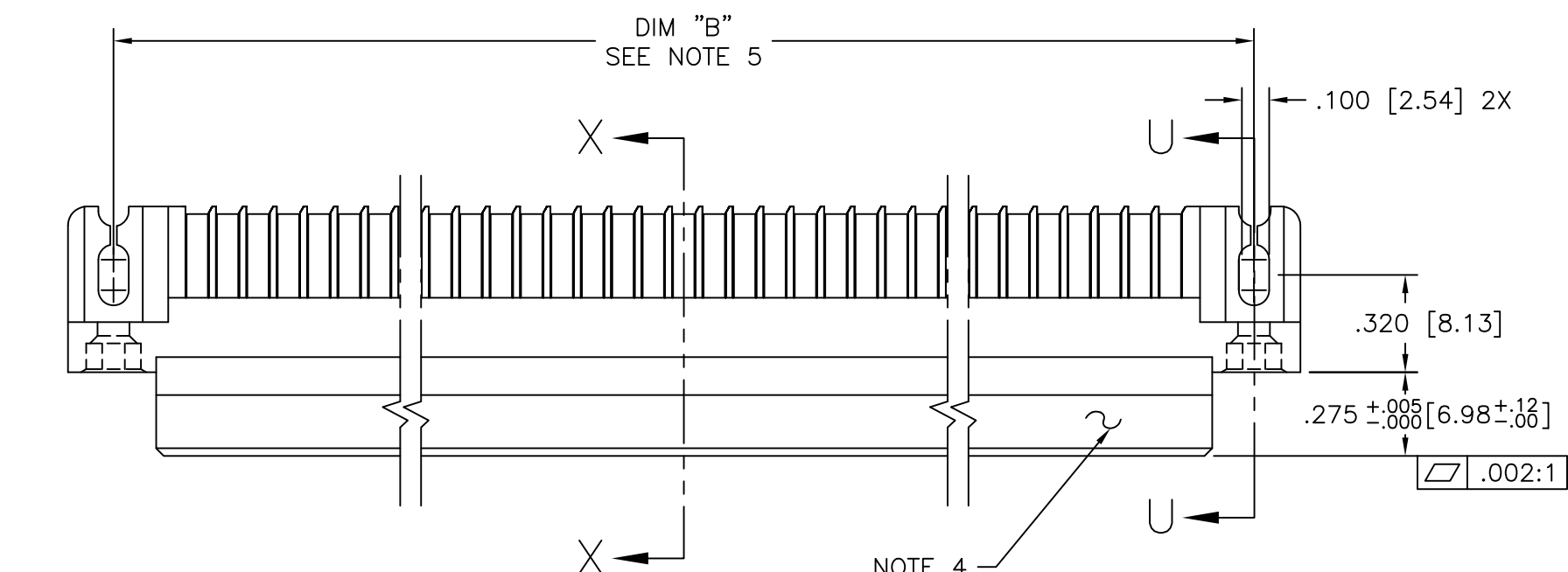


[illegible]

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

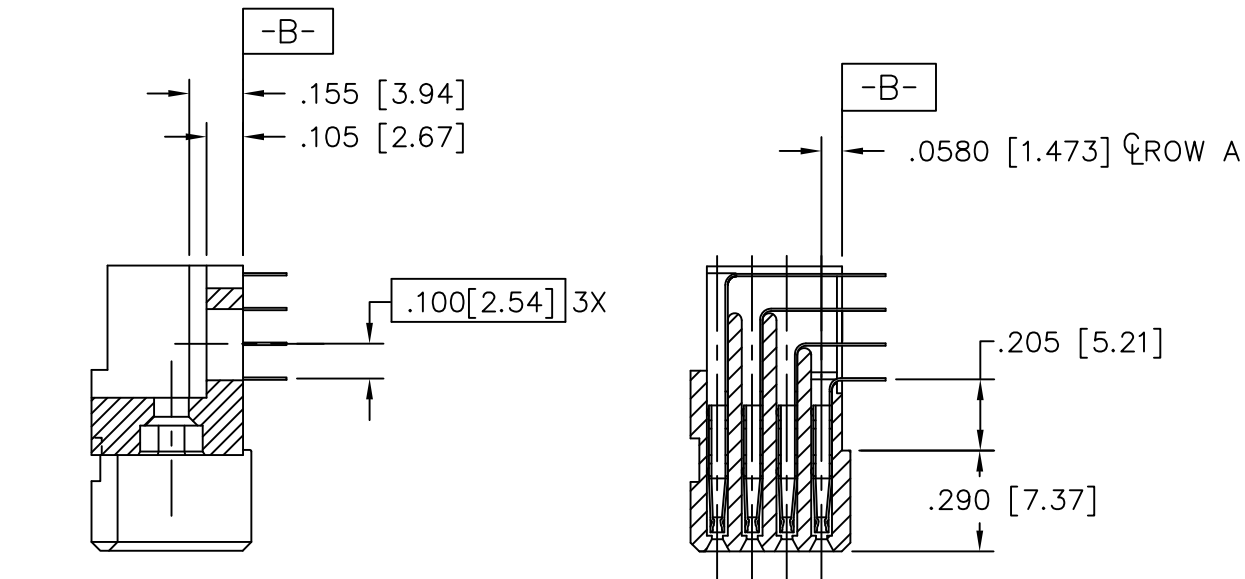
④ COMPANY NAME, PART NUMBER AND LOT CODE TO
APPEAR ON THIS SURFACE PER BUS-12-108.

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.

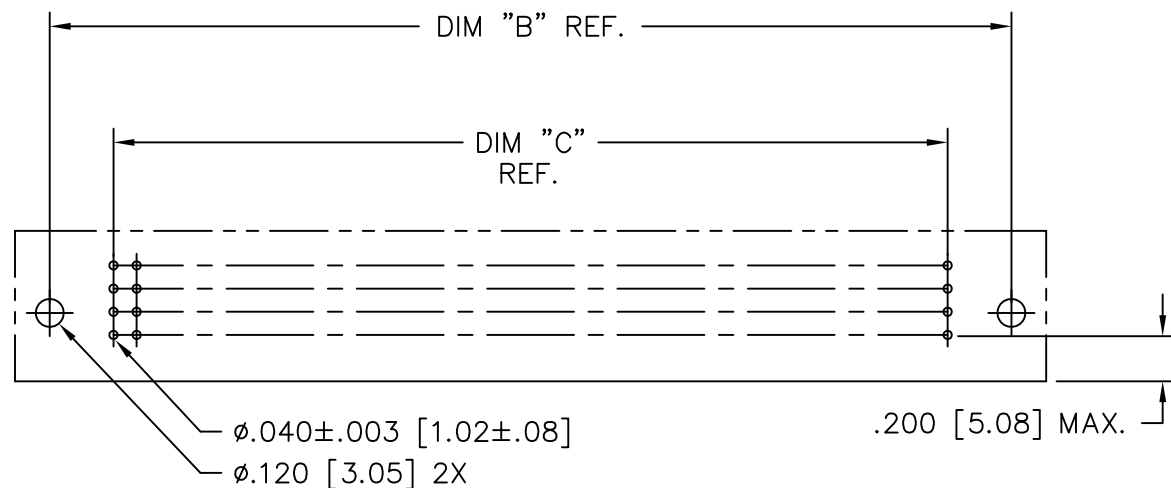
7. THIS HOUSING WILL WITHSTAND EXPOSURE TO 260° C PEAK
TEMPERATURE FOR 10-30 SECONDS IN CONVECTION, INFRA-RED
OR VAPOR PHASE REFLOW OVEN.

⑧ 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 4 ROW R/A RECEPTACLE SOLDER TAIL, 0 GUIDE PIN			
T				angles	linear					
				0°±2°						
				dr	D.SHEAFER	1/7/90	Amphenol FCi	dwg no		sheet 2 of 4
				enr	S.CLARK	1/7/90		50003		A3
				chr	M JACOB	12/16/16		type Product Customer Drawing		
				appd	BIJU K PAUL	12/16/16				
sheet index	revision sheet									

PRODUCT NUMBER
SEE TABLE

50003-XX002LF ONLY

	75	70					65					60					55					50					45					40					36				
<u>D</u>		D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D						
<u>C</u>		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C						
<u>B</u>		B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B						
<u>A</u>		A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A						

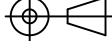
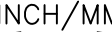
35					30					25					20					15					10					5					1		
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A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	<u>A</u>		

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NOTES FOR 50003-XX002LF 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-XX002LF
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 1302		✓ tolerance ISO 406 ISO 1101		projection 		product family HPC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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PRODUCT NUMBER	NUMBER OF POSITIONS SEE NOTE 2	TAIL LENGTH	CONTACT PLATING NOTE 9	TAIL PLATING
50003-1YYYE	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
50003-1YYYF	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
50003-1YYYH	YYY	.180±.010 / 4.57±0.25	30u" /0.76u Au	TIN/LEAD
50003-1YYYHLF	YYY	.180±.010 / 4.57±0.25	30u" /0.76u Au	TIN
50003-3YYYE	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
50003-3YYYF	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
50003-5YYYE	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
50003-5YYYF	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
50003-5YYYH	YYY	.180±.010 / 4.57±0.25	30u" /0.76u GXT	TIN/LEAD
50003-5YYYHLF	YYY	.180±.010 / 4.57±0.25	30u" /0.76u GXT	TIN
50003-XX002LF	YYY	.125±.010 / 3.18±0.25	30u" /0.76u Au	TIN

Amphenol
FCi

Copyright AFci

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									
T					angles	linear	.XX±.01/.X±0.3		4 ROW R/A RECEPTACLE SOLDER TAIL, 0 GUIDE PIN									
				.XXX±.005/.XX±0.13														
				.XXX±.0020/.XXX±0.051														
					0°±2°		scale 1:1		dwg no 50003 sheet 4 of 4 size A3									
				dr	D.SHEAFER 1/7/90													
				enr	S.CLARK 1/7/90													
				chr	M JACOB 12/16/16													
					appd	BIJU K PAUL 12/16/16		Amphenol FCi		type Product Customer Drawing								
sheet index		revision sheet																

form: A3

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PDS: Rev :U

STATUS:Released

Printed: May 03, 2017

Mouser Electronics

Authorized Distributor

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

FCI / Amphenol:

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