

PRODUCT NO.
SEE PRODUCT CODE

Dimension	Computational Formula
DIM "A"	(COLUMN MUNBER-1) x 0.8 + 9.8
DIM "B"	(COLUMN MUNBER-1) x 0.8
DIM "C"	(COLUMN MUNBER-1) x 0.8 + 3

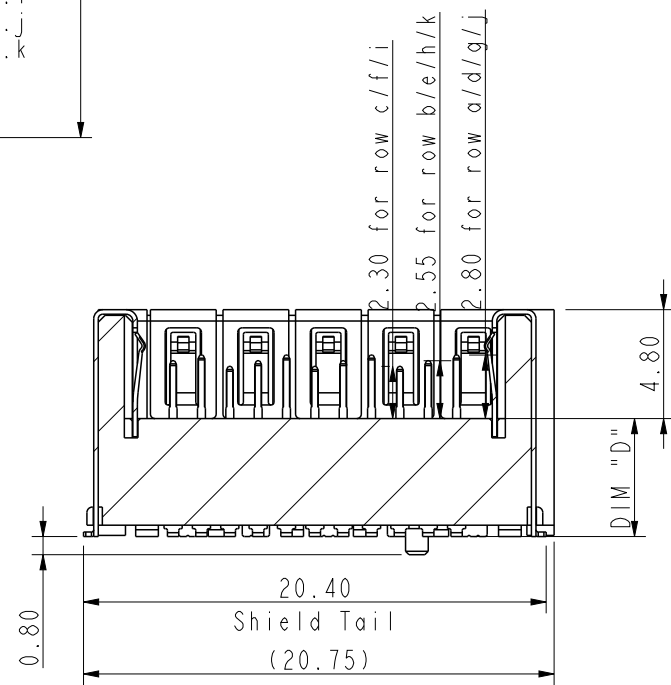
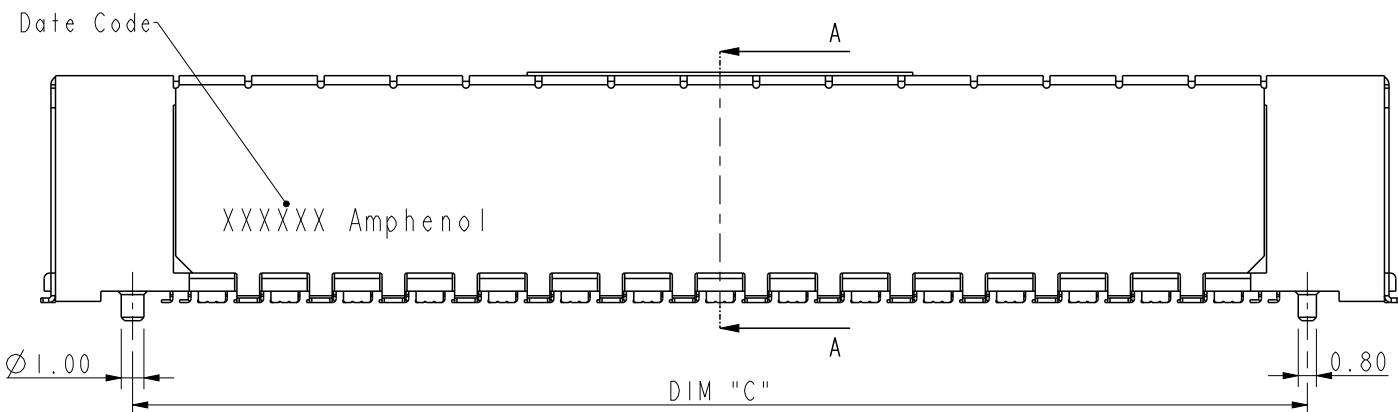
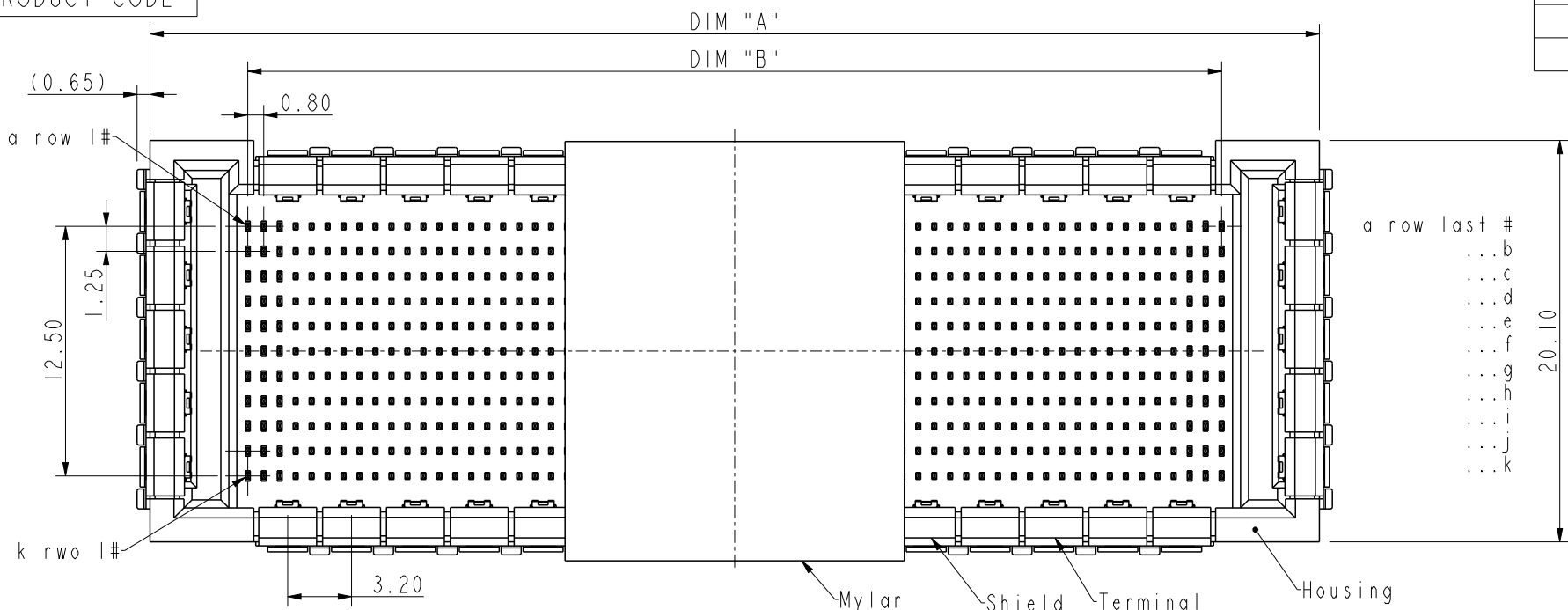
HEADER TYPE	DIM "D"
HEADER 2	2.2
HEADER 5	5.2
HEADER 8	8.2
HEADER 14	14.2
HEADER 20	20.2

A

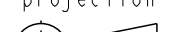
B

C

D



- NOTES:
1. MATERIAL:
 - 1.1 HOUSING: THERMOPLASTIC;
 - 2.2 TERMINAL AND SHIELD: COPPER ALLOY.
 2. PLATING: 1-3µm NI UNDER PLATING;
 - 2.1 CONTACT AREA: ACCORDING TO PART NUMBER;
 - 2.2 SOLDER TAIL: ACCORDING TO PART NUMBER.
 3. PRODUCT SPECIFICATION: GS-12-1806;
 4. PRODUCT APPLICATION: GS-20-0813;
 5. THIS HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 20 SECONDS IN A IR REFLOW SOLDERING APPLICATION;
 6. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004;
 7. COPLANARITY AREA OF TERMINATION 0.10MM MAX.

spec ref *				dr	Li-Qing Lei	2023/11/13			size	A3	scale	4:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Li-Qing Lei	2024/07/04			ecn no	ELX-N-52021-1		
				chr	-	-						
				appr	Tim Yao	2024/07/05						
surface  ASME Y14.5	linear	0.X	±0.25	Amphenol FCi	title	Header DensiStak BTB Connector			dwg no	10169063		rev B
		0.XX	±0.15									
		0.XXX	±0.10									
	angular	0°	±2°									

PART NUMBER DESCRIPTION
10169063-XXXXXXLF

LEAD FREE

MYLAR AND DATE CODE

0- WITH MYLAR AND WITHOUT DATE CODE
1- WITH MYLAR AND WITH DATE CODE

SHIELD STATUS

0- NONE SHIELD.
1- WITH SHIELD;

PLATING OPTION:

CONTACT AREA AND SOLDER TAIL;

1- 3u" GOLD ON CONTACT AREA;
80-160u" TIN ON SOLDER TAIL;
2- 8u"GXT OR GOLD ON CONTACT AREA;
80-160u" TIN ON SOLDER TAIL;
3- 15u"GXT OR GOLD ON CONTACT AREA;
80-160u" TIN ON SOLDER TAIL;
4- 30u"GXT OR GOLD ON CONTACT AREA;
80-160u" TIN ON SOLDER TAIL;

HEADER TYPE FOR STACK HEIGHT

02- HEADER 2 (TOOLED)
05- HEADER 5 (UPON REQUEST)
08- HEADER 8 (UPON REQUEST)
14- HEADER 14 (UPON REQUEST)
20- HEADER 20 (UPON REQUEST)

COLUMN NUMBER

PIN NUMBER= 11X COLUMN NUMBER

(INCREASE BY EVERY 4 COLUMNS FOR SHIELD VERSION,
INCREASE BY EVERY 2 COLUMNS FOR NONE SHIELD VERSION)

18= 11X 18 MIN

64= 11X 64 (EXAMPLE)

94= 11X 94 MAX

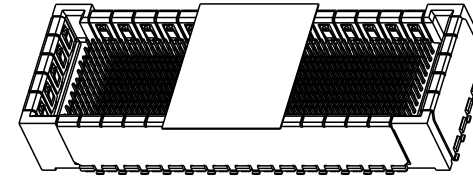
Date Code:XXXXXX

DAY (01~31)

MONTH (01~12)

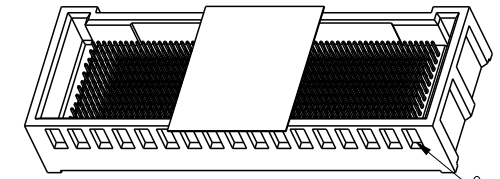
YEAR (00~99)

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With Shield

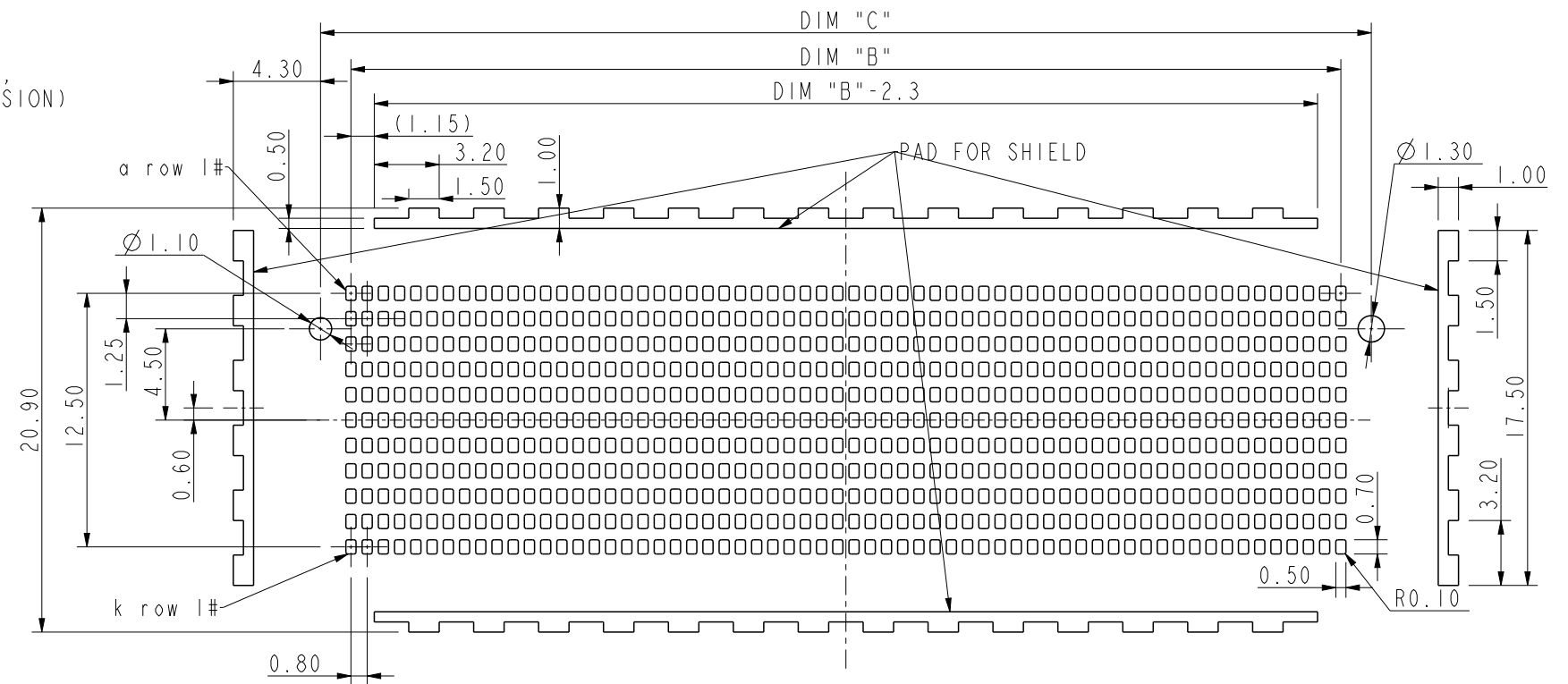
10169063-XXXXXXLF



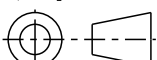
Without Shield

Core out feature is applicable to products

PCB LAYOUT PROPOSAL
TOLERANCE RECOMMENDED ± 0.05



STACK HEIGHT					
PRODUCT	HEADER 2	HEADER 5	HEADER 8	HEADER 14	HEADER 20
RECEPTACLE 6	8	11	14	20	26
RECEPTACLE 8	10	13	16	22	28
RECEPTACLE 10	12	15	18	24	30

spec ref *		dr		Li-Qing Lei	2023/11/13	projection 	mm 	size	A3	scale	3:1		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Li-Qing Lei			2024/07/04	ecn no	ELX-N-52021-1			
				chr	-			-					
				appr	Tim Yao			2024/07/05				product family	
								rel level	Released				
surface	linear	0.X	±0.25	Amphenol FCI	title	Header			dwg no	10169063		rev	B
		0.XX	±0.15										
		0.XXX	±0.10										
	ASME Y14.5	angular	0°	±2°			cat. no.	Product - Customer Drw			sheet 2 of 2		