10193010 - XXX X X X X X LF

LEAD FREE

XX	POSITION
010	2X05
020	2X10
022	2X11
024	2X12
026	2X13
030	2X15
040	2X20
050	2X25
060	2X30
070	2X35
080	2X40
100	2X50
120	2X60
140	2X70
150	2X75
200	2X100

X	FOR RECEPTACLE, SEE DWG. NO. 10193011		
COMBINATION OF MATED HEIGHT	RECEPTACLE 1 HEIGHT: 5	RECEPTACLE 2 HEIGHT: 7	RECEPTACLE 3 HEIGHT: 9
HEADER 1 HEIGHT: 2	7	9	11
HEADER 2 HEIGHT: 5	10	12	14
HEADER 3 HEIGHT: 8	13	15	17
HEADER 4 HEIGHT: 9	14	16	18

X	PLATING: CONTACT AREA / SOLDER AREA
1	GOLD 0.02μm MIN / MATTE TIN
2	GOLD 0.07μm MIN / MATTE TIN
3	GOLD 0.25μm MIN / MATTE TIN
4	GOLD 0.76μm MIN / MATTE TIN

X	DATE CODE
/	STANDARD, NOT PRINT D/C
P	PRINT DATE CODE

X	FEATURE
0	WITH PEG
2	WITHOUT PEG

X	PACKAGING
0	T&P WITH KAPTON TAPE
1	T&P WITH PLASTIC CAP
2	T&P WITHOUT CAP

NOTES:
1. MATERIAL:
   1.1 HOUSING: THERMOPLASTIC, BLACK, UL94V-0, MSL LEVEL 1.
   1.2 CONTACT: COPPER ALLOY
2. PLATING:
   2.1 UNDER PLATING: 1-3μm NICKEL UNDER PLATING;
   2.2 CONTACT AREA: ACCORDING TO PART NUMBER;
   2.3 SOLDER TAIL: ACCORDING TO PART NUMBER;
3. SEE GS-12-1969 FOR PRODUCT SPECIFICATION.
4. APPLICATION SPEC GS-20-0891.
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.

© 2020 Amphenol Corporation

spec ref			dr	Alan Ni	2025/12/19	projection	MM	size A3 / scale 1:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Alan Ni	2025/12/19			ecn no
			chr	Li-Qing Lei	2025/12/19			
			appr	Tim Yao	2025/12/19	product family		rel level: Released
surface ISO 1302	linear	0.X ±0.30	Amphenol FCi	title: HEADER, BERGSTAK 0.8MM HS BTB CONNECTOR			dwg no 10193010	rev A
		0.XX ±0.25						
		0.XXX ±0.20						
	angular	0° ±2°		cat. no.	Product - Customer Drw			sheet 1 of 3

Creo File:ELX-MC-A3C,REV F,2020-12-21

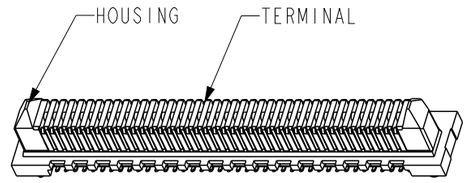
PDS: Rev :A STATUS:Released Printed: Dec 19, 2025

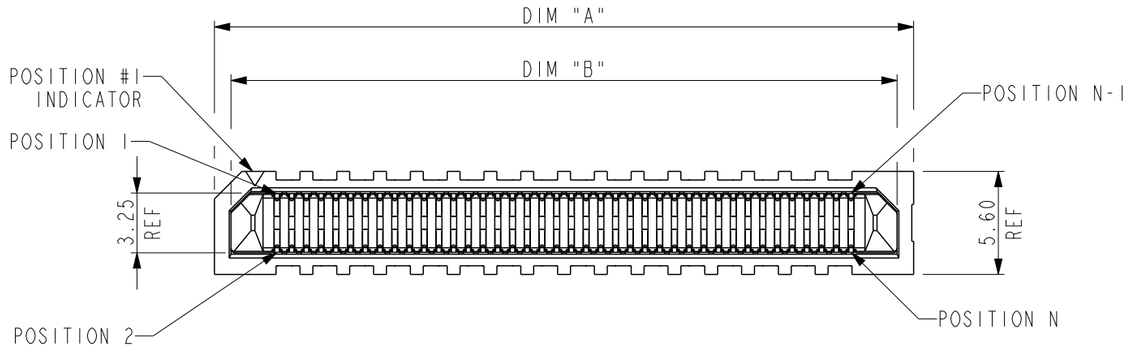
Downloaded from Arrow.com.

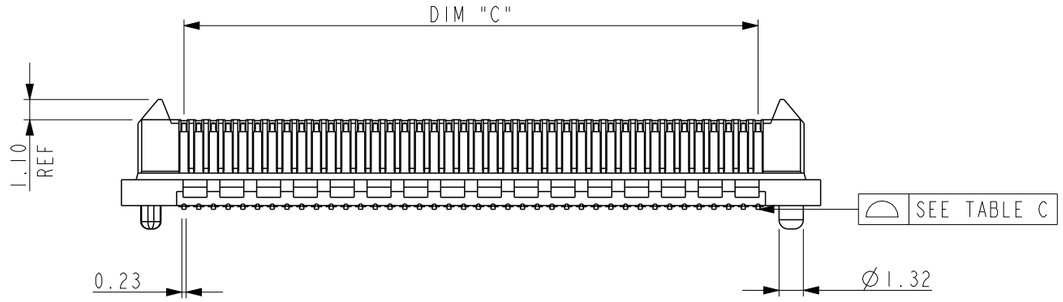
TABLE A				
POSITION	"A"	"B"	"C"	"D"
010	10.00	8.20	3.20	6.80
020	14.00	12.20	7.20	10.80
022	14.80	13.00	8.00	11.60
024	15.60	13.80	8.80	12.40
026	16.40	14.60	9.60	13.20
030	18.00	16.20	11.20	14.80
040	22.00	20.20	15.20	18.80
050	26.00	24.20	19.20	22.80
060	30.00	28.20	23.20	26.80
070	34.00	32.20	27.20	30.80
080	38.00	36.20	31.20	34.80
100	46.00	44.20	39.20	42.80
120	54.00	52.20	47.20	50.80
140	62.00	60.20	55.20	58.80
150	66.00	64.20	59.20	62.80
200	86.00	84.20	79.20	82.80

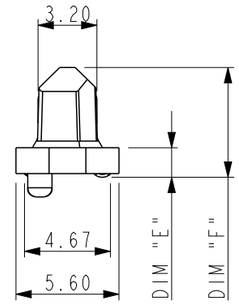
TABLE B		
HEIGHT	"E"	"F"
2.00	1.61	5.97
5.00	4.61	8.91
8.00	7.61	11.91
9.00	8.61	12.91

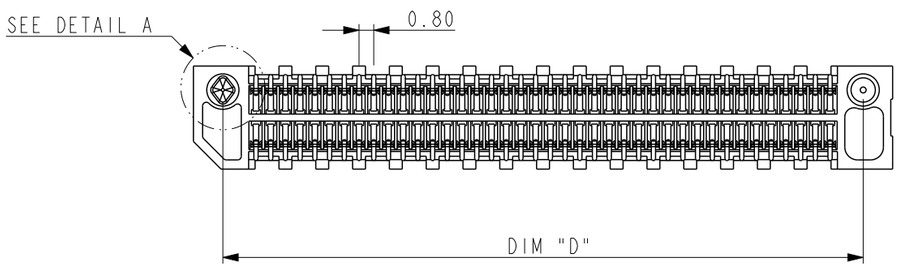
TABLE C	
NO. OF POS.	⌓
010 TO 070	0.10
080 TO 120	0.12
140 TO 200	0.15

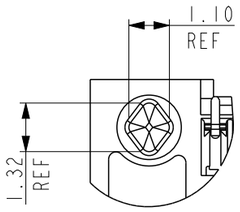












DETAIL A
SCALE 6:1

spec ref				dr	Alan Ni	2025/12/19	projection	MM
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Alan Ni	2025/12/19		
				chr	Li-Qing Lei	2025/12/19		
				appr	Tim Yao	2025/12/19	product family	
surface ISO 1302	linear	0.X	±0.30	Amphenol FCi	title	HEADER	dwg no	10193010
		0.XX	±0.25			BERGSTAK 0.8MM HS BTB CONNECTOR		
		0.XXX	±0.20		cat. no.		Product - Customer Drw	
	angular	0°	±2°					

size	scale	rev
A3	1:1	A

ecn no

rel level: Released

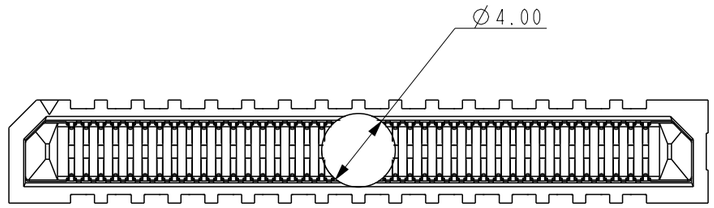
sheet 2 of 3

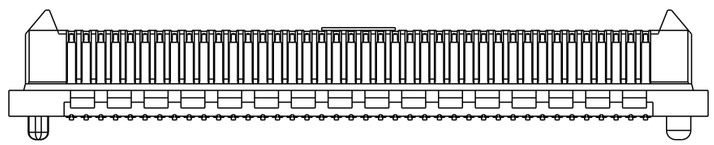
© 2020 Amphenol Corporation

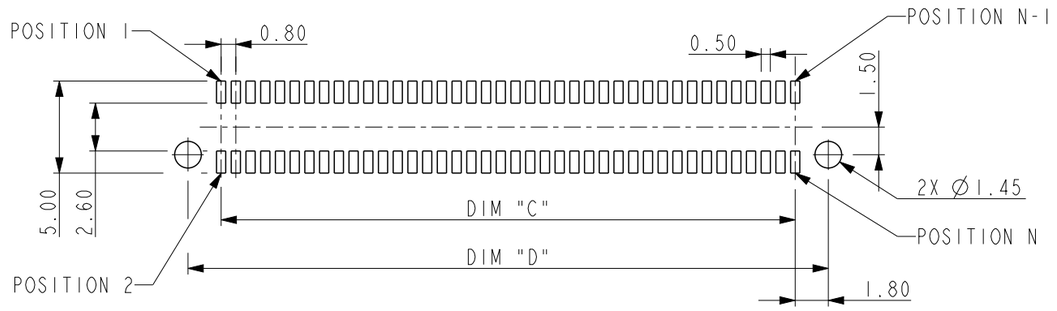
Creo File:ELX-WC-A3C,REV F,2020-12-21

PDS: Rev :A STATUS:Released Printed: Dec 19, 2025

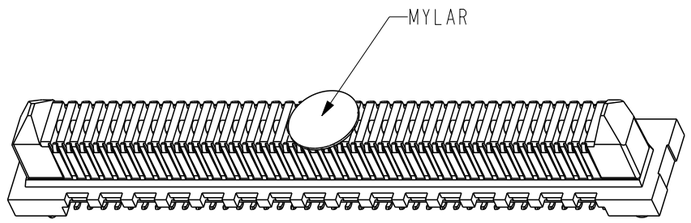
Downloaded from Arrow.com.







PCB LAYOUT PROPOSAL
TOLERANCE RECOMMENED ±0.05



MYLAR TYPE

spec ref				dr	Alan Ni	2025/12/19	projection	MM	size A3 / scale 1:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Alan Ni	2025/12/19			ecn no
				chr	Li-Qing Lei	2025/12/19			
				appr	Tim Yao	2025/12/19	product family		rel level: Released
surface ISO 1302	linear	0.X	±0.30	Amphenol FCi	title: HEADER BERGSTAK 0.8MM HS BTB CONNECTOR			dwg no 10193010	rev A
		0.XX	±0.25						
		0.XXX	±0.20						
	angular	0°	±2°		cat. no.		Product - Customer Drw		sheet 3 of 3

© 2020 Amphenol Corporation

Creo File:ELX-WC-A3C,REV F,2020-12-21

Downloaded from Arrow.com.

PDS: Rev :A STATUS:Released Printed: Dec 19, 2025