

PRODUCT NUMBER DESCRIPTION :

58102 - X XX - XX - XX X XX

PLATING

S = 0.38µm GOLD
ON CONTACT AREA
3.81µm TIN/LEAD
ON TAIL

G = 0.76µm GOLD
ON CONTACT AREA
3.81µm TIN/LEAD
ON TAIL

F = 0.20µm GOLD
ON CONTACT AREA
3.81µm TIN/LEAD
ON TAIL

LF = ROHS COMPLIANT (SEE NOTE 10)
BLANK = CONTAINS LEAD

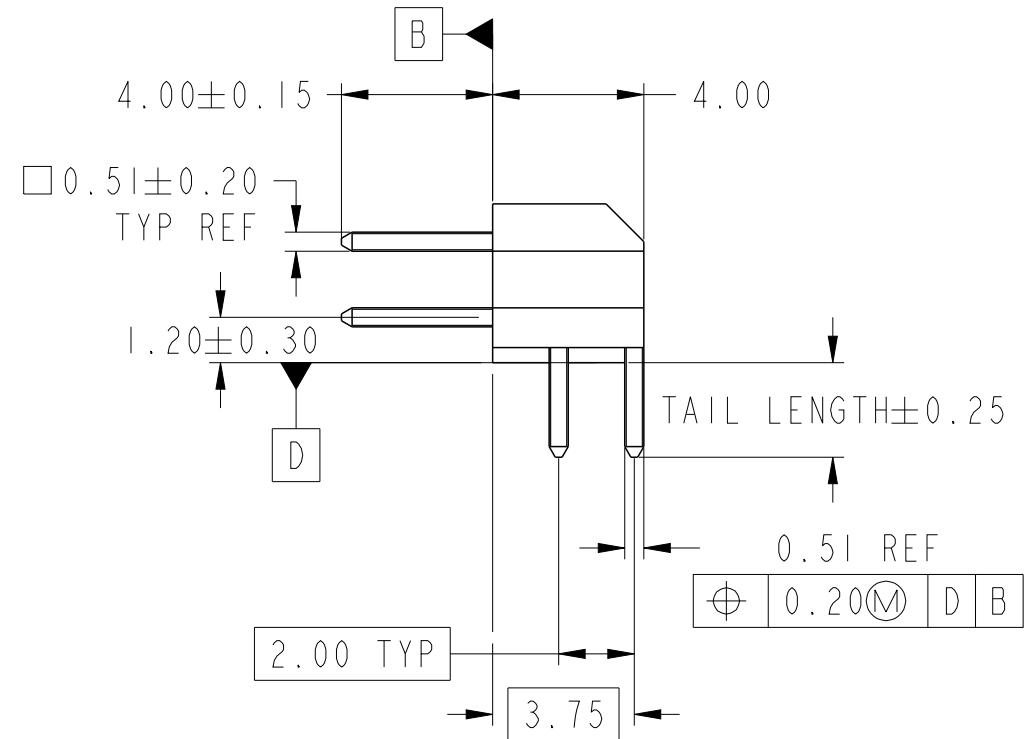
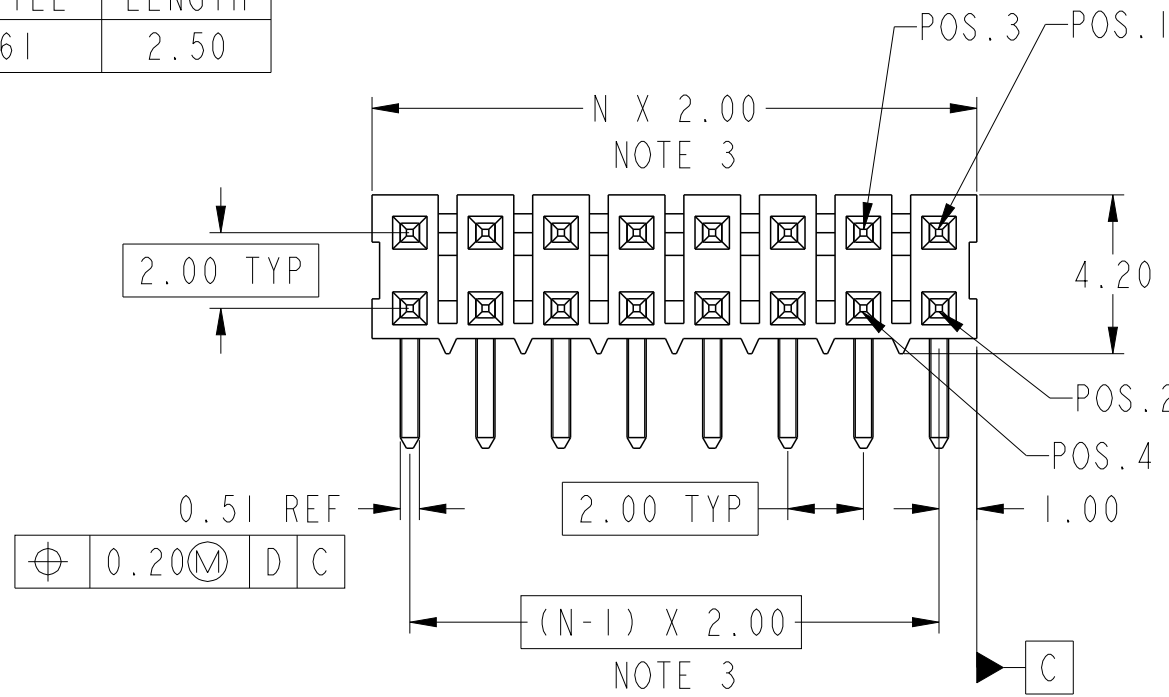
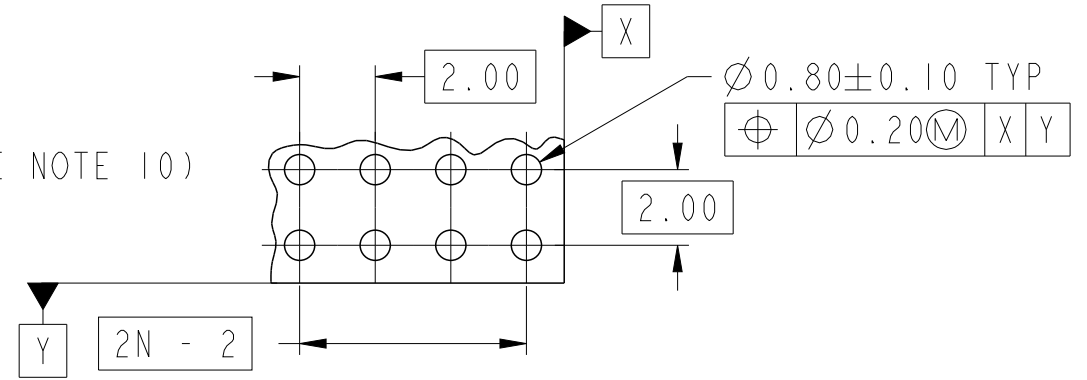
RETENTION
R: RETENTIVE LEG
NOTES 6,7

POLARIZATION
NOTE 7

PACKAGING: = POLY BAGS
(NOTE 5) U = TUBES

POSITIONS PER ROW = "N"
(02 TO 25)

PIN STYLE	TAIL LENGTH
61	2.50



spec ref	-	dr	Andrew Yong	2010/10/29	projection	MM	size	A3	scale	5:1
tolerance std	ISO 406 ISO 1101	eng	Mike Zhou	2024/09/25	chr	-	ecn no	ELX-N-52999-1	rel level	Released
surface	linear	appr	Tim Yao	2024/09/26	product family	-	dwg no	58102	rev	J
ISO 1302	angular	0°	±3°	amphenol-icc.com	cat. no.	-	Product - Customer Drw	sheet 1 of 2		

NOTES:

- ① MATERIAL HOUSING:HIGH TEMP.THERMOPLASTIC
UL 94V-0,COLOR BLACK
- ② MATERIAL TERMINAL: COPPER ALLOY
- ③ TO DETERMINE DIMENSIONS:
N=NUMBER OF POSITIONS PER ROW
EX.: 10 POS.,N x 2.00 = 20.00 TOTAL POSITIONS
- 4.0.9kg MIN.PIN RETENTION IN EITHER DIRECTION.
- 5.PACKAGING;
(A) STANDARD PACKAGING:IN POLY BAGS.
(B) SPECIAL PACKAGING:IN TUBE.
FOR ALL SPECIAL PACKAGING,FCI MUST BE
CONTACTED FOR AVAILABILITY IN SIZE REQUESTED.
(C) IF THE PRODUCT IS TRANDPORT BY SEA, THE P/N WILL HAVE
A SPECIA SUFFIX "W" WHICH IS IN FRONT OF "LF".
- ⑥ RETENTION LEG:
2.3kg MAX INSERTION FORCE AND 1 kg MIN RETENTION
FORCE PER RETENTIVE PIN USING 1.57 THICK CIRCUIT
BOARD AND RECOMMENDED HOLE PATTERN.RETENTIVE
LOCATION AT THE DISCRETION OF THE MANUFACTURER.
RETENTION IS TWO PINS PER PART ADJACENT TO ONE
ANOTHER.
- ⑦ FOR POLARIZATION,SPECIFY POSITION NUMBER,
(i.e.:POS.3 = 03) TO OMIT PIN.
OMIT FROM PRODUCT NUMBER IF FEATURE IS NOT
APPLICABLE.
- 8.THE HOUSING WILL WITHSTAND EXPOSURE TO 255°C PEAK
TEMPERATURE FOR 10 SECONDS IN A CONVECTION, INFRA-RED
OR VAPOR PHASE REFLOW OVEN.
- 9.THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK
TEMPERATURE FOR 10 SECONDS IN A WAVE SOLDER
APPLICATION WITH A 1.57MM MINIMUM THICK CIRCUIT BOARD.
- ⑩ THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND
OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.



dr	Andrew Yong	2010/10/29	projection	MM	size	scale	
eng	Mike Zhou	2024/09/25			A3	10:1	
chr	-	-			ecn no ELX-N-52999-1		
appr	Tim Yao	2024/09/26	product family - rel level Released				
Amphenol FCI	title	2.0MM UNSHROUDED HEADER			dwg no	rev	
		RIGHT ANGLE THRU-HOLE					
amphenol-icc.com	cat. no.	-	Product - Customer Drw			sheet 2 of 2	