

Customer Information Sheet

DRAWING No.: G125-FVXI205L0X

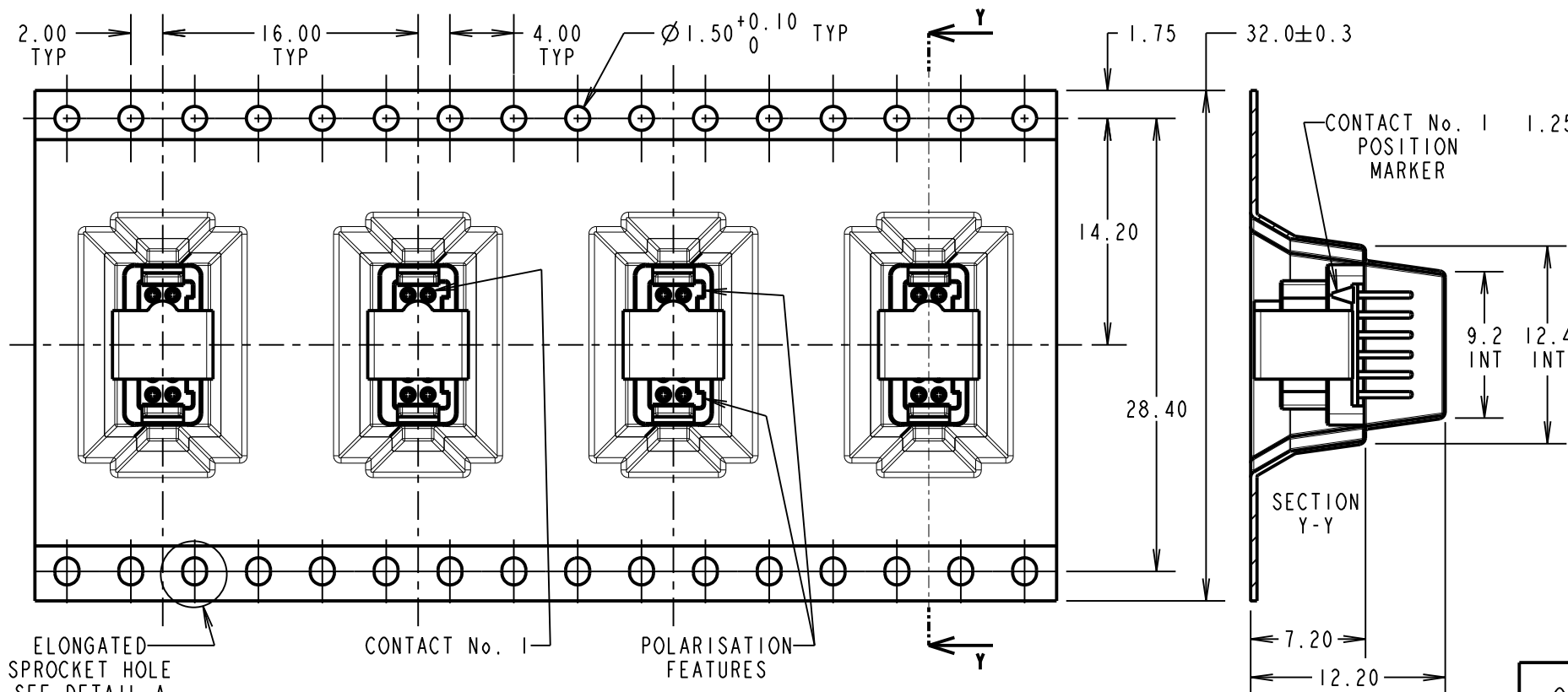
IF IN DOUBT - ASK

©

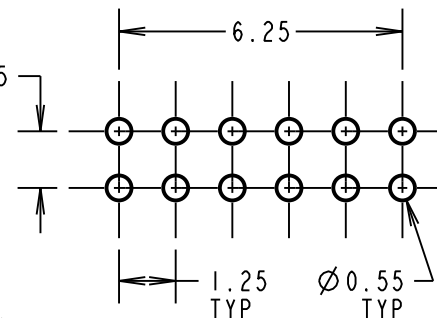
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

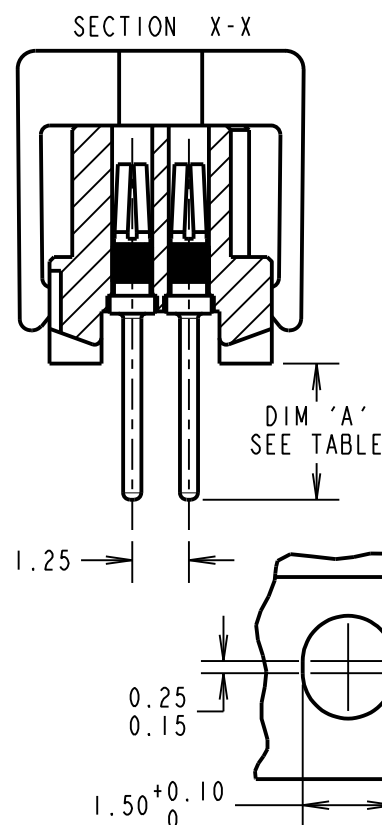
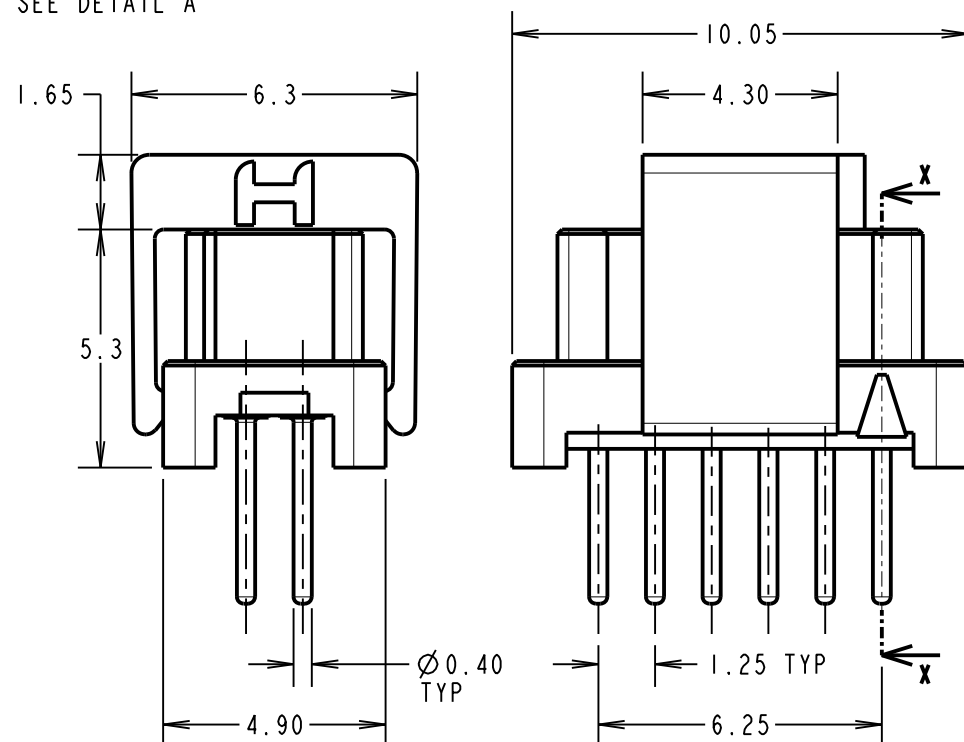


RECOMMENDED PCB LAYOUT



PATENT PENDING - UK 1205109.0

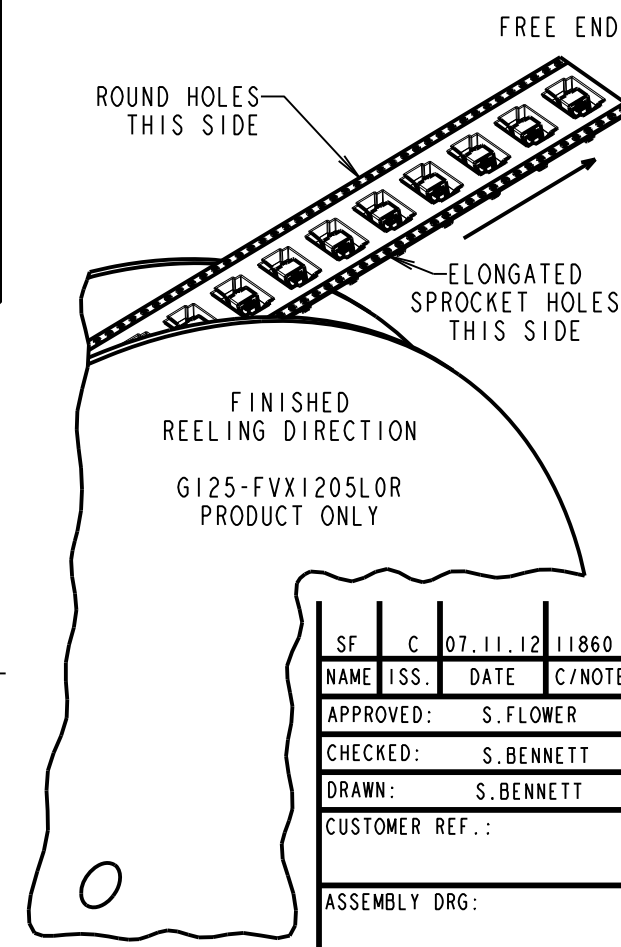
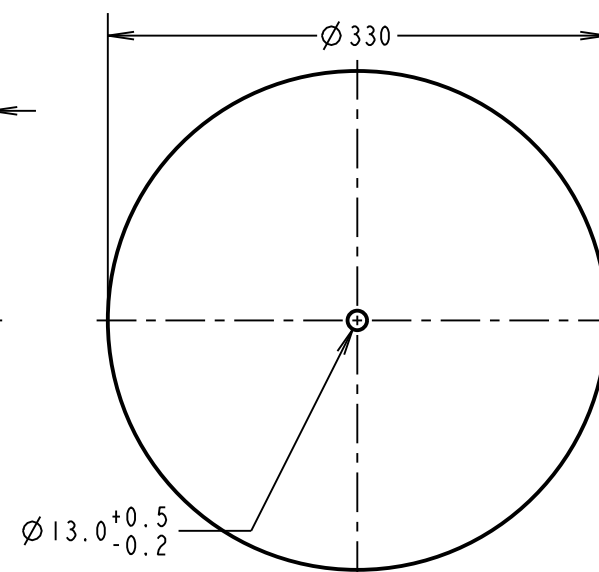
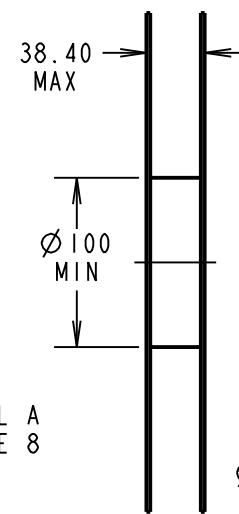
ORDER CODE	DIM 'A'	RECOMMENDED PCB THICKNESS
G125-FV11205L0R	3.00	1.60mm THICK
G125-FV21205L0R	4.50	2.40mm THICK



ORDER CODE:
G125-FVXI205L0X

3.00mm PC-TAILS = V1
4.50mm PC-TAILS = V2

PACK TYPE:
R = 250PCS IN TAPE AND REEL
P = EACH (CUT TAPE LENGTHS)



- NOTES:
1. FOR "R" QUANTITY OF COMPONENTS PER REEL = 250.
 2. THIS PRODUCT IS TAPED AND REELED IN ACCORDANCE WITH EIA-481-2-A (ELECTRONIC INDUSTRIES ASSOCIATION).
 3. COMPONENTS ARE ORIENTATED IN TAPE POCKETS SO THAT THE POLARISING FEATURES ARE FACING TOWARDS THE FREE END.
 4. FOR "P" QUANTITIES ARE EACH AND CUT FROM G125-FVXI205L0R.

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technical@harwin.com

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TOLERANCES
X. = ± 1 mm
X.X = ± 0.25 mm
X.XX = ± 0.10 mm
X.XXX = ± 0.01 mm
ANGLES = $\pm 5^\circ$
UNLESS STATED

MATERIAL:

SEE SHEET 3

FINISH:

SEE SHEET 3

S/AREA:

mm²

TITLE:

1.25mm FEMALE VERTICAL PC-TAIL
2x6 CONTACTS IN TAPE AND REEL

DRAWING NUMBER:

G125-FVXI205L0X

SHT
2 OF 3

SF	C	07.11.12	11860
NAME	ISS.	DATE	C/NOTE
APPROVED:		S.FLOWER	
CHECKED:		S.BENNETT	
DRAWN:		S.BENNETT	
CUSTOMER REF.:			
ASSEMBLY DRG:			

Customer Information Sheet

DRAWING No.: G125-FVXI605L0X

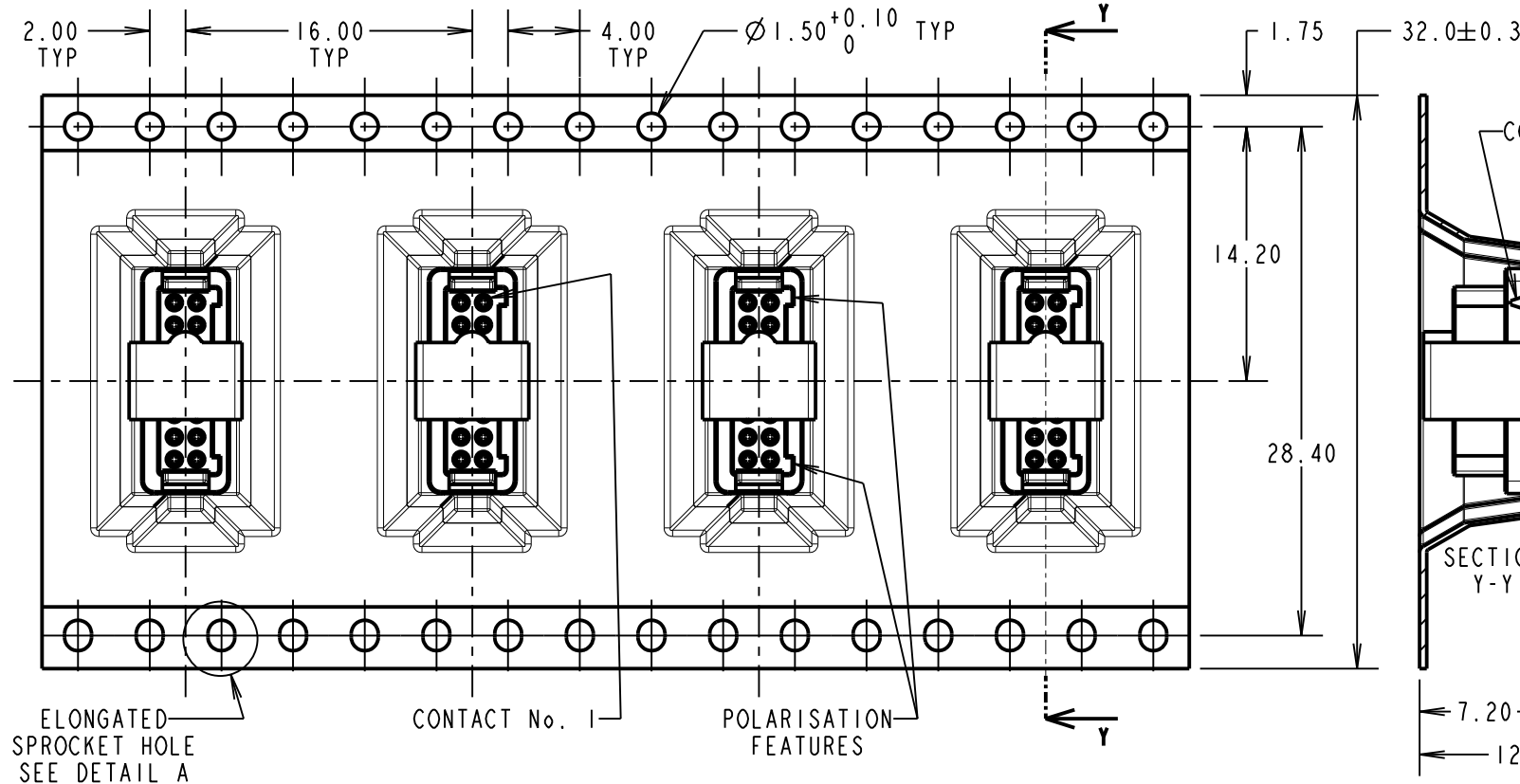
IF IN DOUBT - ASK

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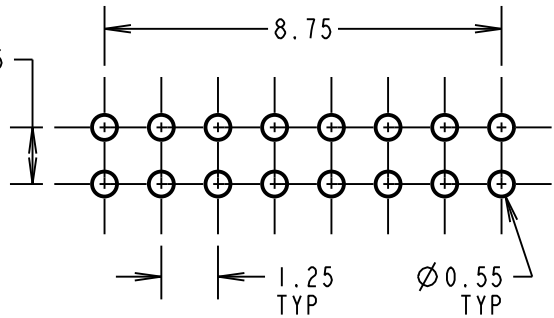
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



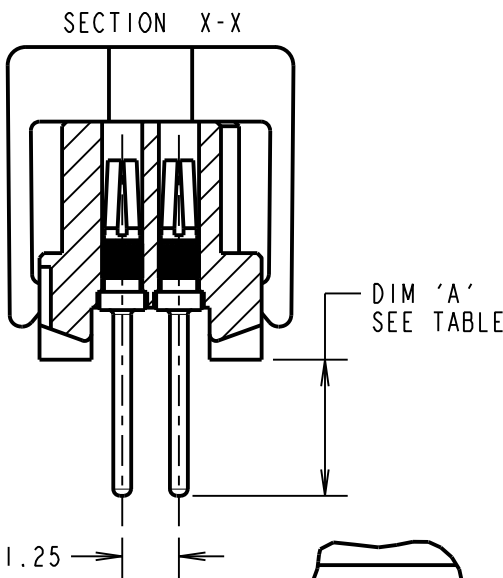
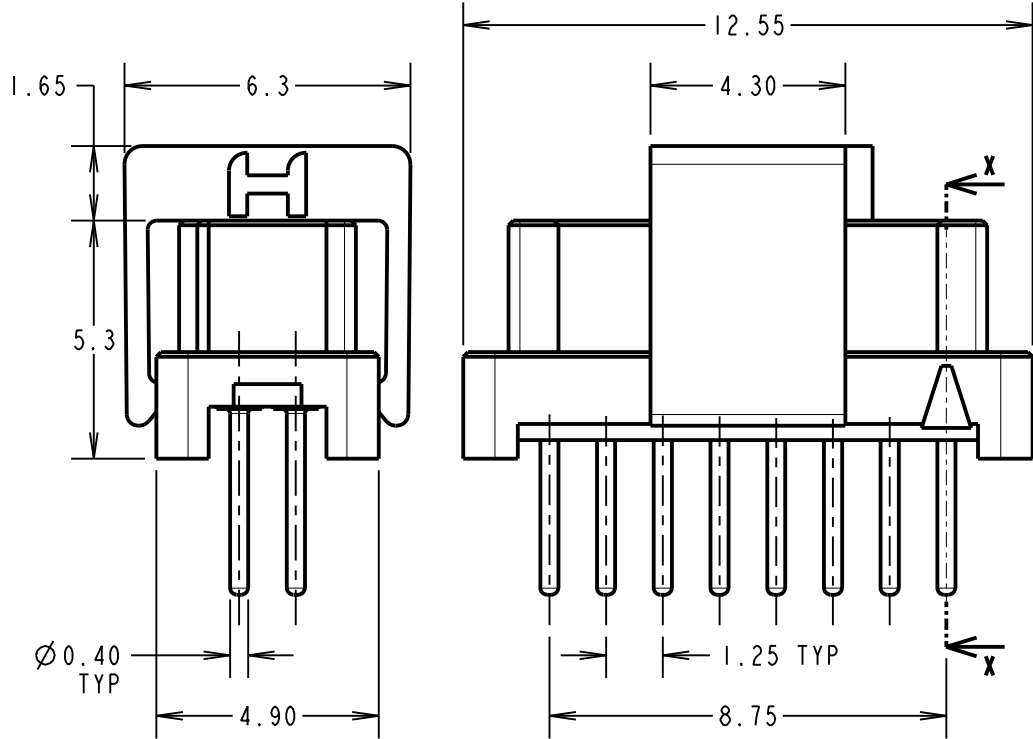
RECOMMENDED PCB LAYOUT



PATENT PENDING - UK 1205109.0

ORDER CODE	DIM 'A'	RECOMMENDED PCB THICKNESS
G125-FV11605L0R	3.00	1.60mm THICK
G125-FV21605L0R	4.50	2.40mm THICK

ELONGATED SPROCKET HOLE SEE DETAIL A



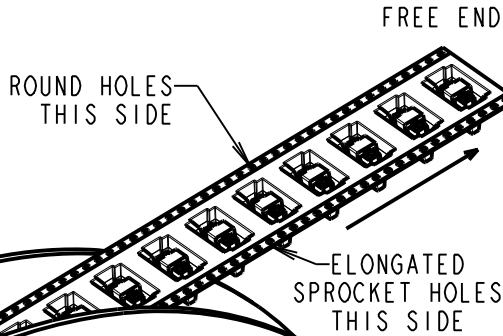
ORDER CODE:

G125-FVXI605L0X

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4.50mm PC-TAILS = V2

PACK TYPE:
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 - FOR "P" QUANTITIES ARE EACH AND CUT FROM G125-FVXI605L0R.



FINISHED REELING DIRECTION
G125-FVXI605L0R
PRODUCT ONLY

SF	C	07.11.12	11860
NAME	ISS.	DATE	C/NOTE
APPROVED:		S.FLOWER	
CHECKED:		S.BENNETT	
DRAWN:		S.BENNETT	
CUSTOMER REF.:			
ASSEMBLY DRG:			

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TOLERANCES

X. = ±1mm
X.X = ±0.25mm
X.XX = ±0.10mm
X.XXX = ±0.01mm
ANGLES = ±5°
UNLESS STATED

MATERIAL:

SEE SHEET 3

FINISH: SEE SHEET 3

S/AREA:

mm²

TITLE:

1.25mm FEMALE VERTICAL PC-TAIL
2x8 CONTACTS IN TAPE AND REEL

DRAWING NUMBER:

G125-FVXI605L0X

SHT
2 OF 3

Customer Information Sheet

DRAWING No.: G125-FVX2005L0X

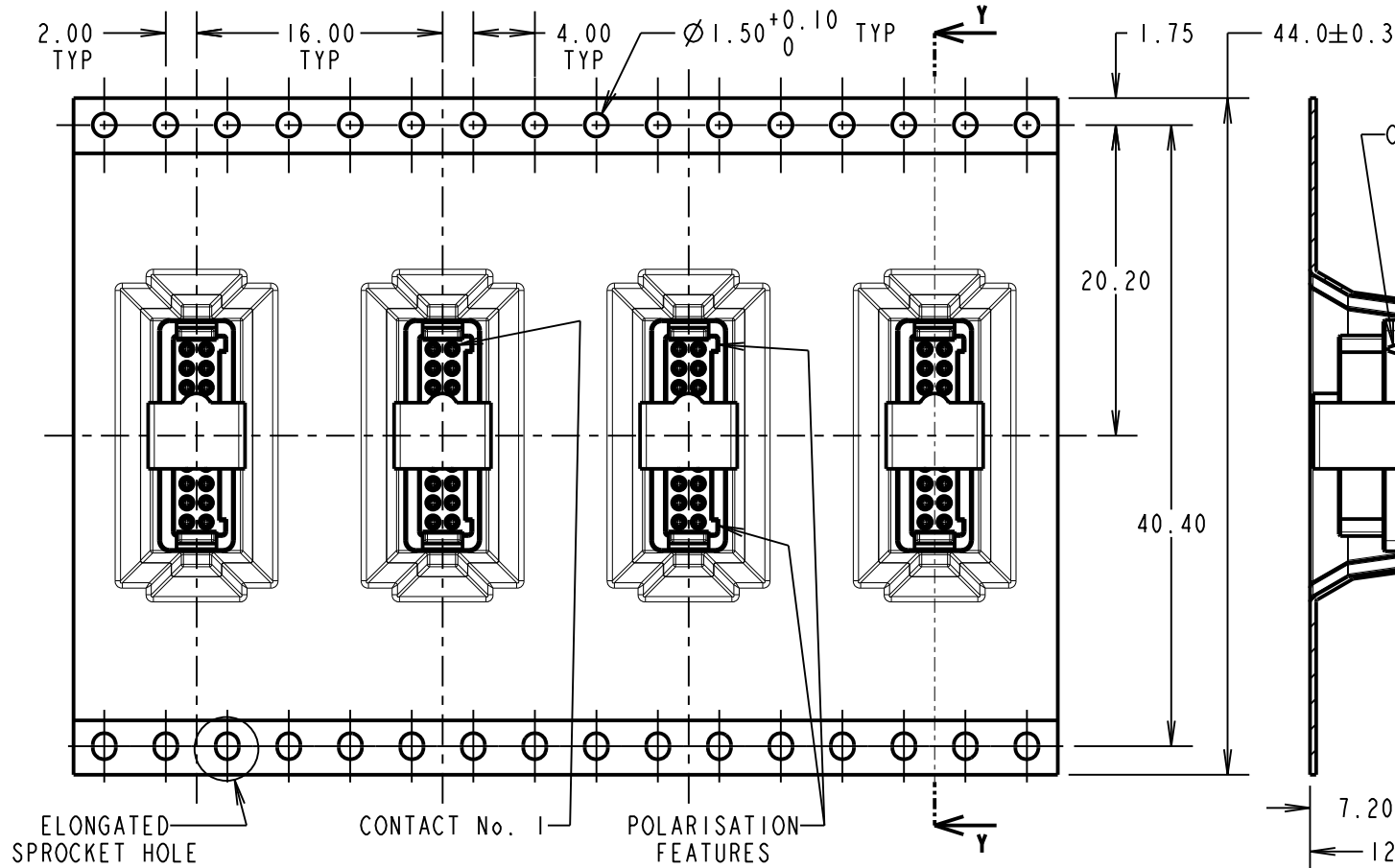
IF IN DOUBT - ASK

(C)

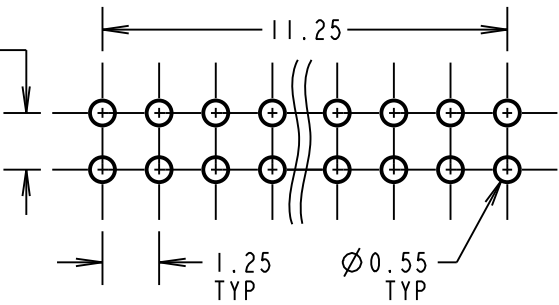
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



RECOMMENDED PCB LAYOUT



PATENT PENDING - UK 1205109.0

ORDER CODE	DIM 'A'	RECOMMENDED PCB THICKNESS
G125-FV12005L0R	3.00	1.60mm THICK
G125-FV22005L0R	4.50	2.40mm THICK

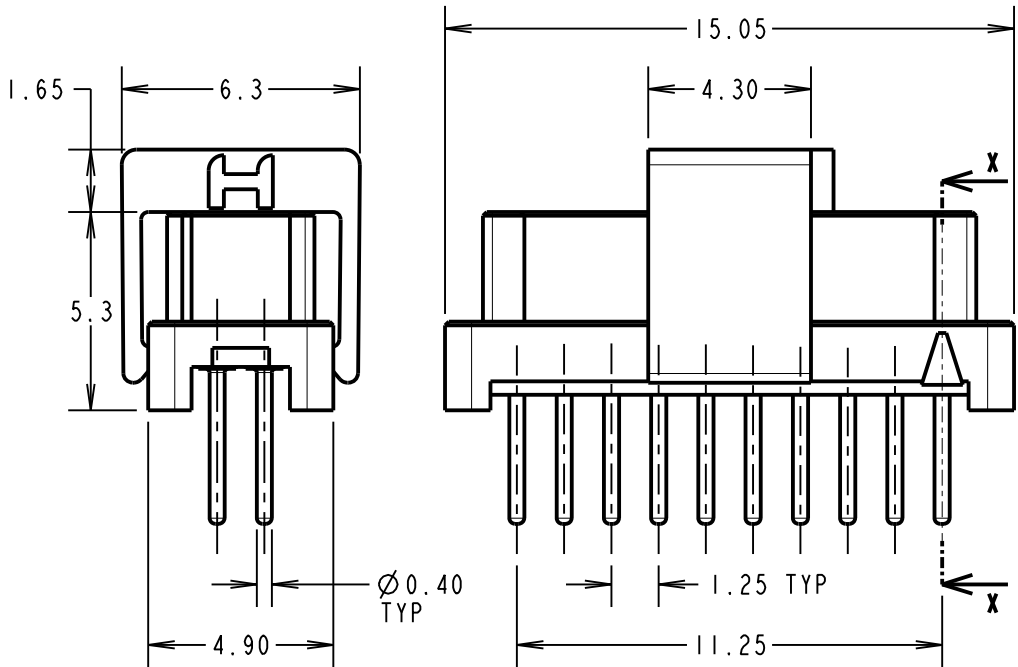
ORDER CODE:

G125-FVX2005L0X

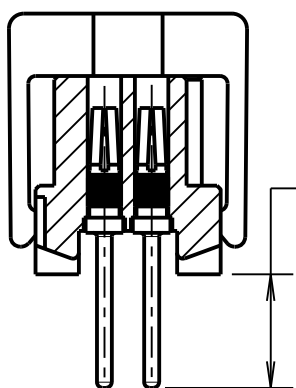
3.00mm PC-TAILS = V1
4.50mm PC-TAILS = V2

PACK TYPE:

R = 250PCS IN TAPE AND REEL
P = EACH (CUT TAPE LENGTHS)



SECTION X-X



DIM 'A' SEE TABLE

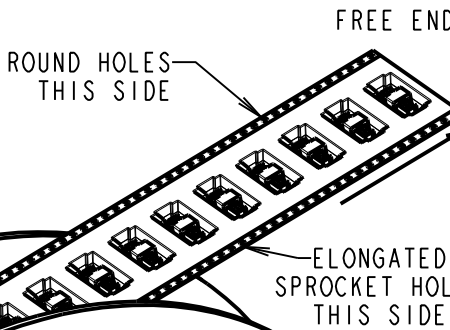
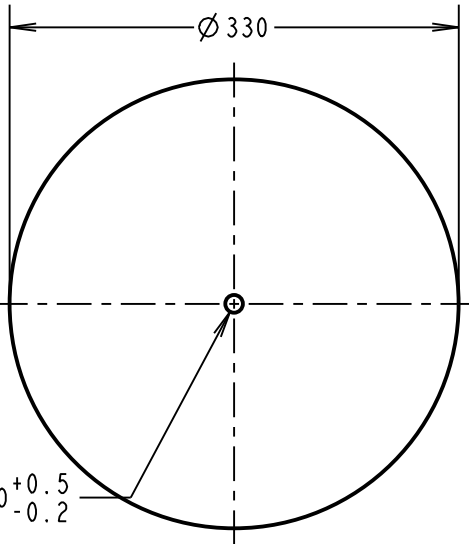
50.40 MAX

Ø100 MIN

0.25
0.15

1.50+0.10/0

DETAIL A
SCALE 8



G125-FVX2005L0R
PRODUCT ONLY

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X. = ±1mm
X.X = ±0.25mm
X.XX = ±0.10mm
X.XXX = ±0.01mm
ANGLES = ±5°
UNLESS STATED

MATERIAL:

SEE SHEET 3

FINISH: SEE SHEET 3

S/AREA:

mm²

TITLE:

1.25mm FEMALE VERTICAL PC-TAIL
2x10 CONTACTS IN TAPE AND REEL

DRAWING NUMBER:

G125-FVX2005L0X

SHT

2 OF 3

SF	C	07.11.12	11860
NAME	ISS.	DATE	C/NOTE
APPROVED:	S.FLOWER		
CHECKED:	S.BENNETT		
DRAWN:	S.BENNETT		
CUSTOMER REF.:			
ASSEMBLY DRG:			

Customer Information Sheet

DRAWING No.: G125-FVX2605LOX

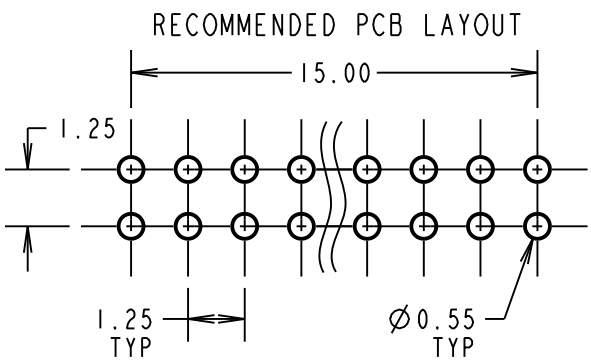
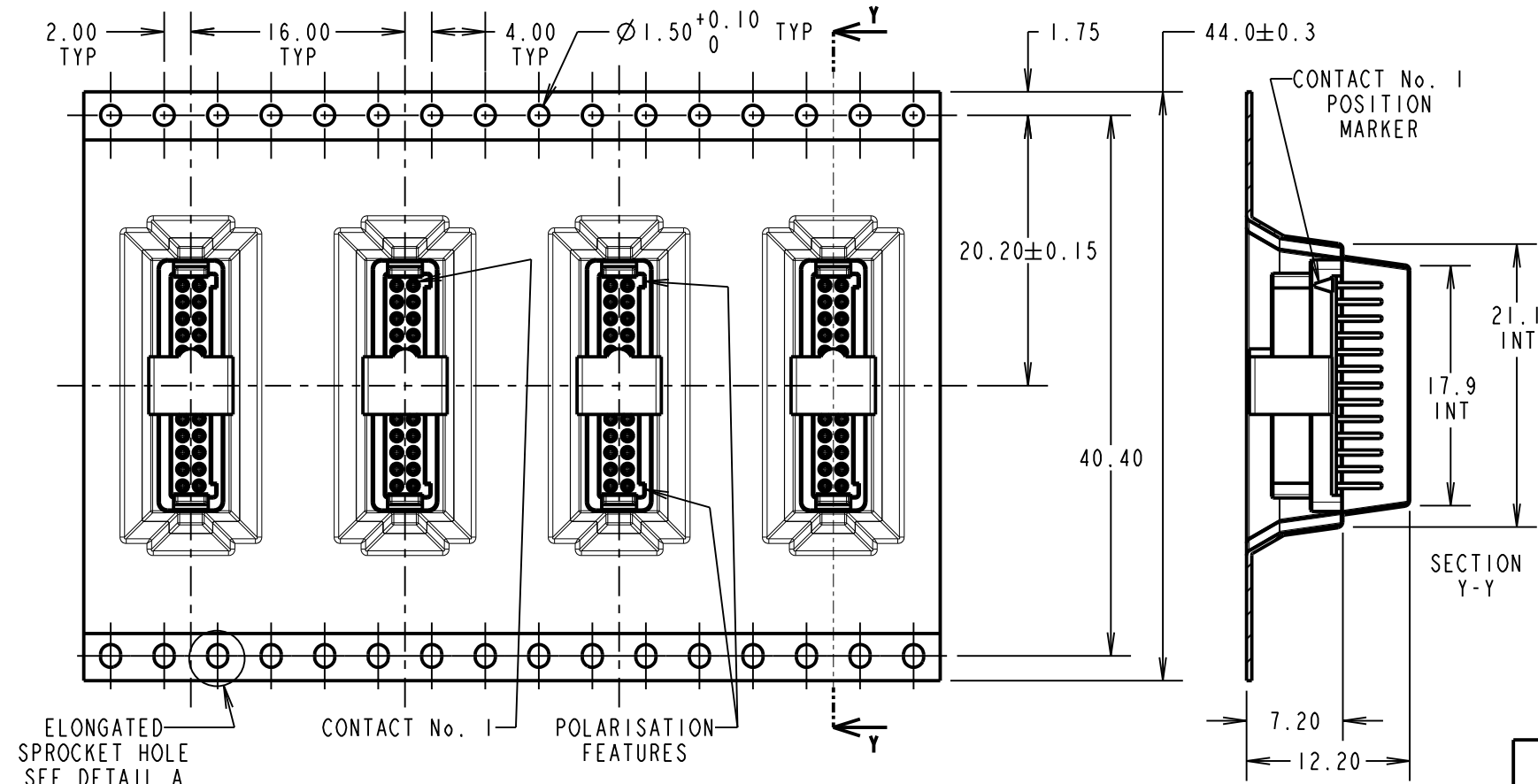
IF IN DOUBT - ASK

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NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



PATENT PENDING - UK 1205109.0

ORDER CODE	DIM 'A'	RECOMMENDED PCB THICKNESS
G125-FV12605L0R	3.00	1.60mm THICK
G125-FV22605L0R	4.50	2.40mm THICK

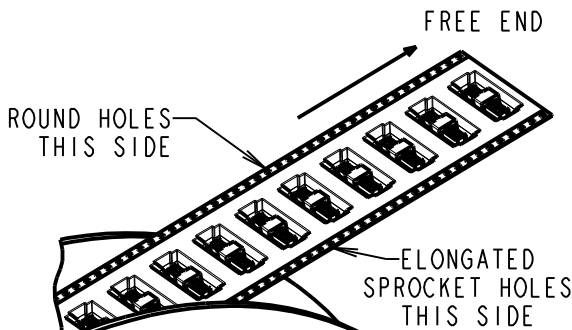
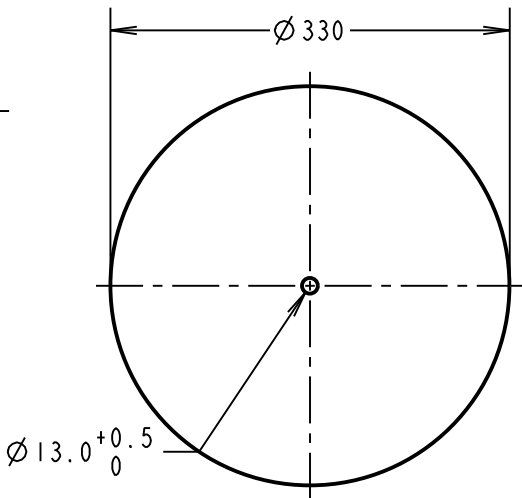
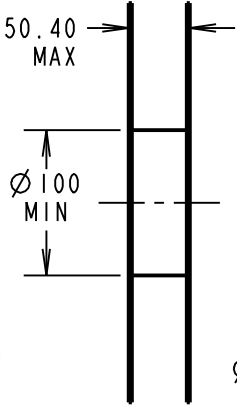
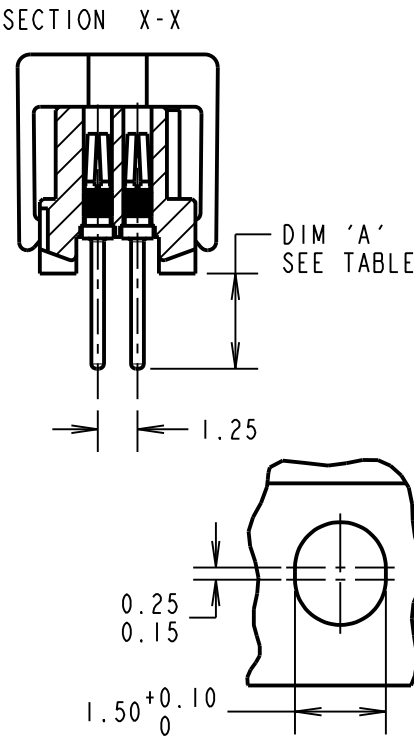
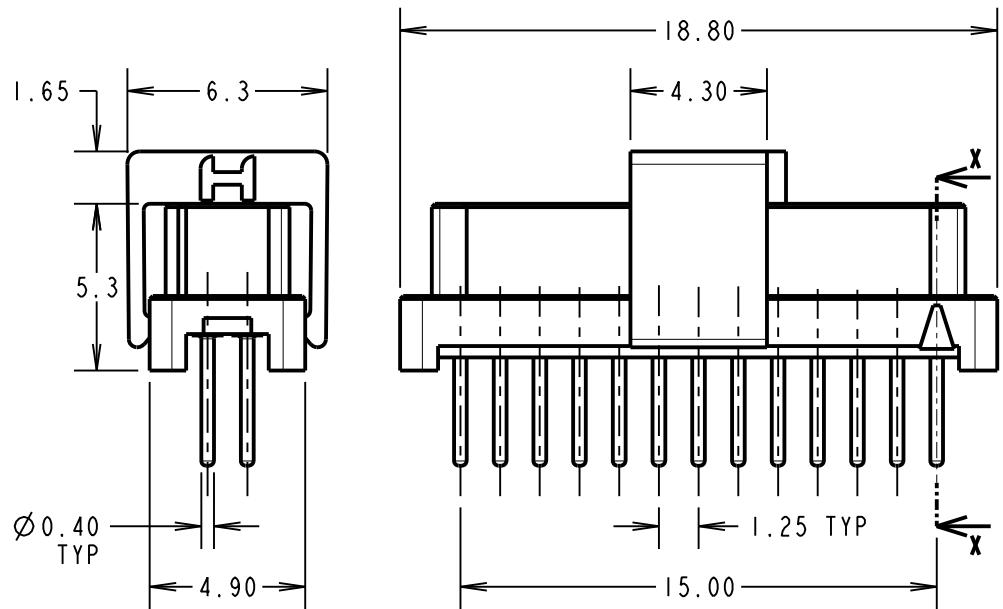
ORDER CODE:

G125-FVX2605LOX

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4.50mm PC-TAILS = V2

PACK TYPE:

R = 250PCS IN TAPE AND REEL
P = EACH (CUT TAPE LENGTHS)



FINISHED REELING DIRECTION
G125-FVX2605L0R
PRODUCT ONLY

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TOLERANCES

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X.X = ±0.25mm
X.XX = ±0.10mm
X.XXX = ±0.01mm

ANGLES = ±5°
UNLESS STATED

MATERIAL:

SEE SHEET 3

FINISH: SEE SHEET 3

S/AREA: mm²

TITLE:

1.25mm FEMALE VERTICAL PC-TAIL
2x13 CONTACTS IN TAPE AND REEL

DRAWING NUMBER:

G125-FVX2605LOX

SHT
2 OF 3

SF	C	07.11.12	11860
NAME	ISS.	DATE	C/NOTE
APPROVED:	S.FLOWER		
CHECKED:	S.BENNETT		
DRAWN:	S.BENNETT		
CUSTOMER REF.:			
ASSEMBLY DRG:			

Customer Information Sheet

DRAWING No.: G125-SERIES COMPONENT SPECIFICATION

IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

SPECIFICATIONS:

MATERIALS:

MOULDING, PICK & PLACE CAP:
POLYAMIDE, PA4T-GF30 FR(40) UL94V-0,
HALOGEN FREE, FREE OF RED PHOSPHORUS

CONTACTS:

MALE PC-TAIL/SMT = PHOSPHOR BRONZE
MALE CRIMP = BRASS
ALL FEMALE CONTACTS = COPPER ALLOY

LATCHES:

COPPER NICKEL TIN ALLOY

BACK POTTING COMPOUND:

STYCAST 2651 MM BACK POTTING = CATALYSY 9

FINISH:

ALL CONTACTS:
0.2-0.3 μ GOLD OVER NICKEL

LATCHES:

3.0 μ 100% TIN OVER NICKEL

MECHANICAL:

DURABILITY = 1000 OPERATIONS
INSERTION FORCE = 2.8N MAX
WITHDRAWAL FORCE = 0.2N MIN

ENVIRONMENTAL:

CLASSIFICATION: 65/150/96 HOURS AT 95% RH

TEMPERATURE RANGE:

EIA-364-32 : 2000 TEST CONDITION IV, DWELL
30mins, 5 CYCLES -65°C TO +150°C

* EIA-364-28D : 1999: TEST CONDITION IV: VIBRATION SEVERITY:
10Hz TO 2000Hz, 1.5MM, 198 mm/s² (20G). DURATION 2Hr

* EIA-364-27B : 1996: TEST CONDITION E SHOCK SEVERITY: 981 mm/s²
(100G) FOR 6ms IN Z AXIS, 490 mm/s² (50G) FOR 11ms IN X&Y AXIS.

* EIA-364-01A : 2000: ACCELERATION: 490 mm/s² (50G)

* BUMP SEVERITY: 390 mm/s² (40G), 4000 $\pm$ 10 BUMPS

* TESTED WITH LATCHED CONNECTORS

ELECTRICAL:

CURRENT RATING:

EIA-364-70A : 1998: INDIVIDUAL CONTACT IN ISOLATION AT 25°C = 2.8A MAX

EIA-364-70A : 1998: ALL CONTACTS SIMULTANEOUSLY AT 25°C = 2.0A MAX

CONTACT RESISTANCE:

EIA-364-06C : 2006: INITIAL CONTACT RESISTANCE = 20m Ω MAX

EIA-364-06C : 2006: CONTACT RESISTANCE AFTER CONDITIONING = 25m Ω MAX

WORKING VOLTAGE:

EIA-364-20C : 2004: SEA LEVEL (1006mbar) = 450V AC/DC PEAK

EIA-364-20C : 2004: ALTITUDE LEVEL (44mbar) = 250V AC/DC PEAK

VOLTAGE PROOF AT SEA LEVEL (1013mbar) = 600V AC/DC PEAK

INSULATION RESISTANCE:

EIA-364-21C : 2000: INSULATION RESISTANCE (INITIAL) = 10 G Ω MIN AT 500V DC

EIA-364-21C : 2000: INSULATION RESISTANCE (AFTER CONDITIONING) = >1 G Ω MIN AT 500V DC

FOR FULL COMPONENT SPECIFICATION SEE C125XX (LATEST ISSUE).



PATENT PENDING - UK 1205109.0

SF	05.11.12	11860
NAME	DATE	C/NOTE
APPROVED:	S.FLOWER	
CHECKED:	M.PLESTED	
DRAWN:	S.FLOWER	

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technical@harwin.com

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TOLERANCES
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X.X = $\pm$ 0.25mm
X.XX = $\pm$ 0.10mm
X.XXX = $\pm$ 0.01mm
ANGLES = $\pm$ 5°
UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH:

SEE ABOVE

TITLE:

G125 SERIES COMPONENT SPECIFICATION

DRAWING NUMBER:

G125-SERIES CONNECTORS

SHT
3
OF
3

AMEYA360

Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit www.ameya360.com

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

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Email amall@ameya360.com

QQ 800077892

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➤ Partnership :

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