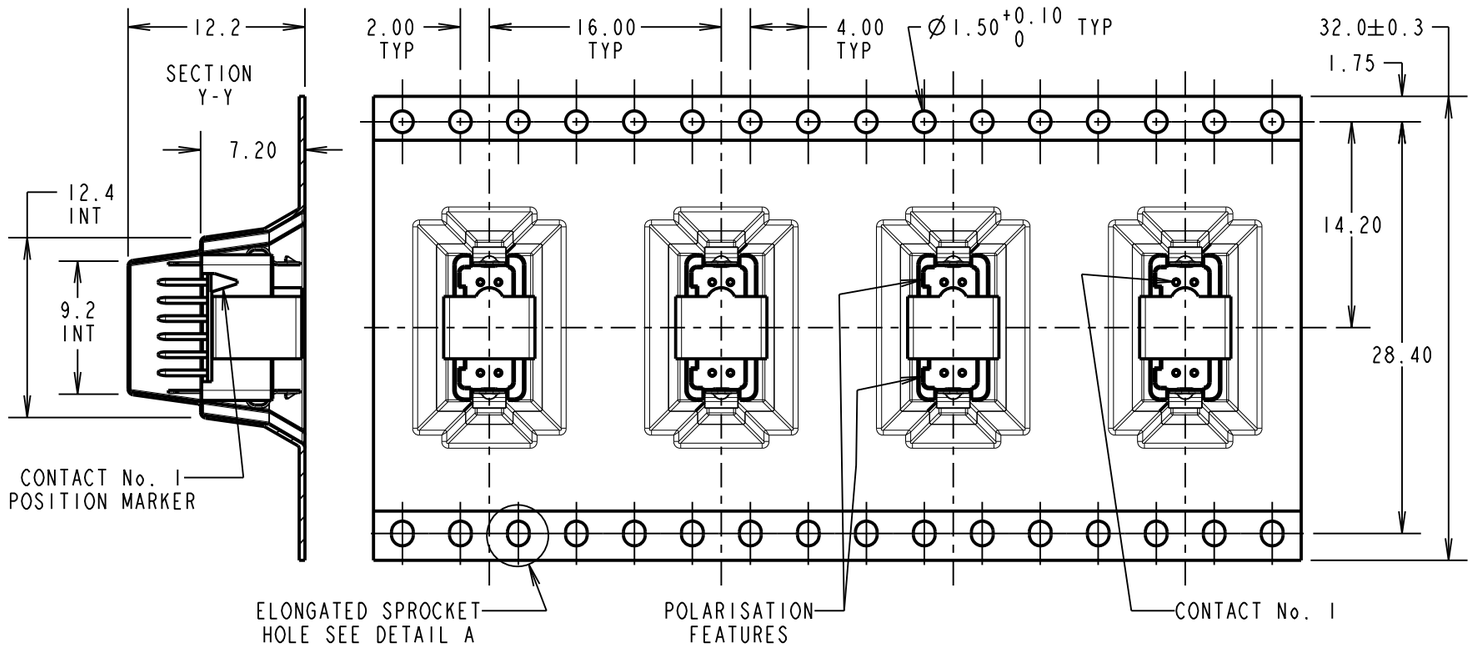
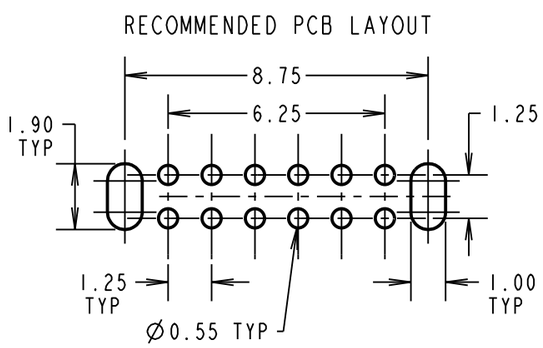
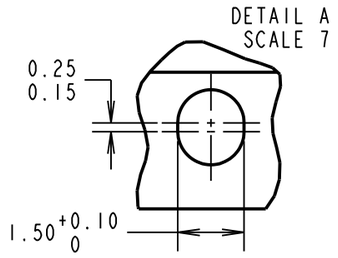
Customer Information Sheet

DRAWING No.: G125-MVX1205LXX	IF IN DOUBT - ASK	©	NOT TO SCALE	THIRD ANGLE PROJECTION	ALL DIMENSIONS IN mm







PATENT PENDING - UK 1205109.0

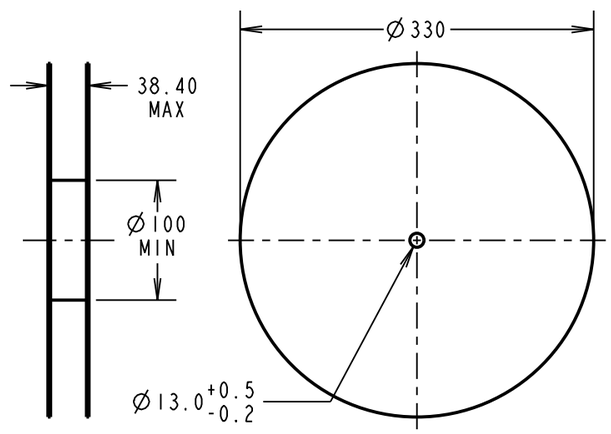
ORDER CODE	DIM 'A'	DIM 'B'	DIM 'C'	RECOMMENDED PCB THICKNESS
G125-MV11205L1R	3.00	2.30	1.70	1.60mm THICK
G125-MV21205L2R	4.50	3.10	2.50	2.40mm THICK

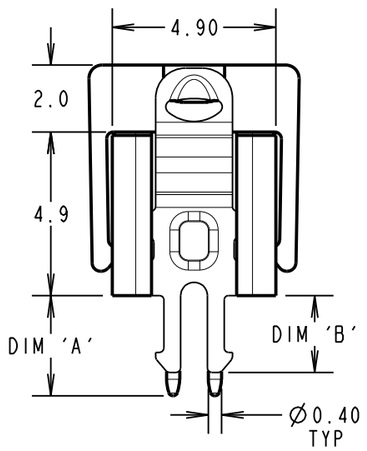
ORDER CODE:
G125-MVX1205LXX

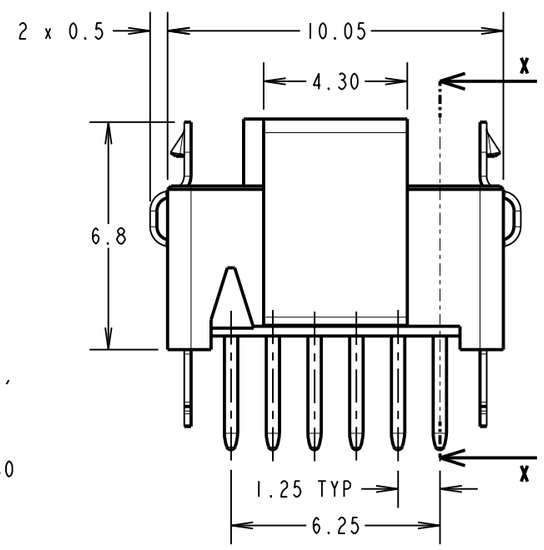
3.00mm PC-TAILS = V1
4.50mm PC-TAILS = V2

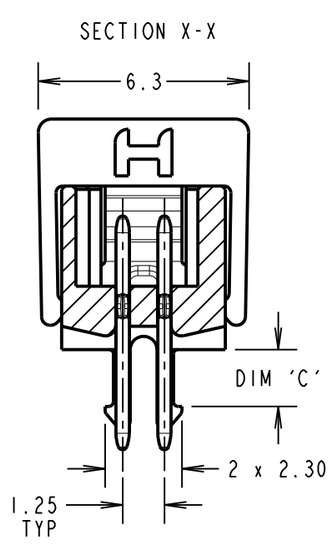
LATCHES:
NO LATCHES = L0
1.60mm PCB LATCHES = L1
2.40mm PCB LATCHES = L2

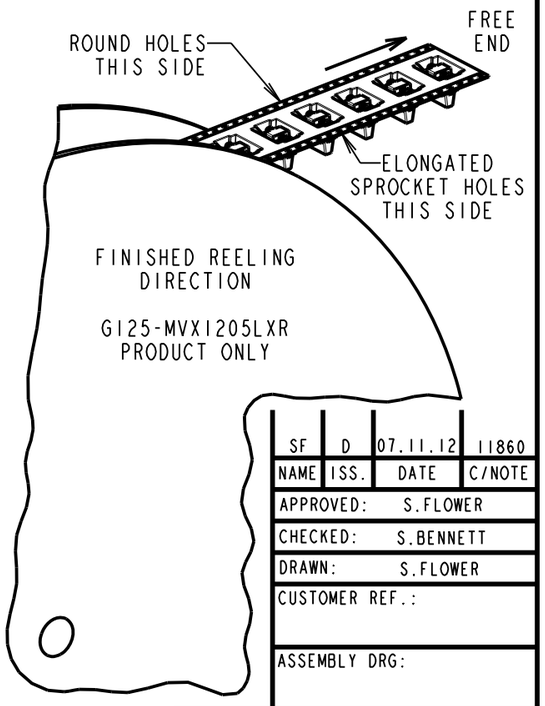
PACK TYPE:
250 PCS IN TAPE AND REEL = R
EACH (CUT TAPE LENGTHS) = P











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 AWAY FROM THE FREE END.
4. LATCHES SHOWN FOR ILLUSTRATION ONLY. WHEN "L0" IS SPECIFIED IN ORDER CODE NO LATCHES WILL BE FITTED/SUPPLIED.
5. FOR "P" QUANTITIES ARE EACH AND CUT FROM G125-MVX1205LXR.

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

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www.harwin.com
technical@harwin.com

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

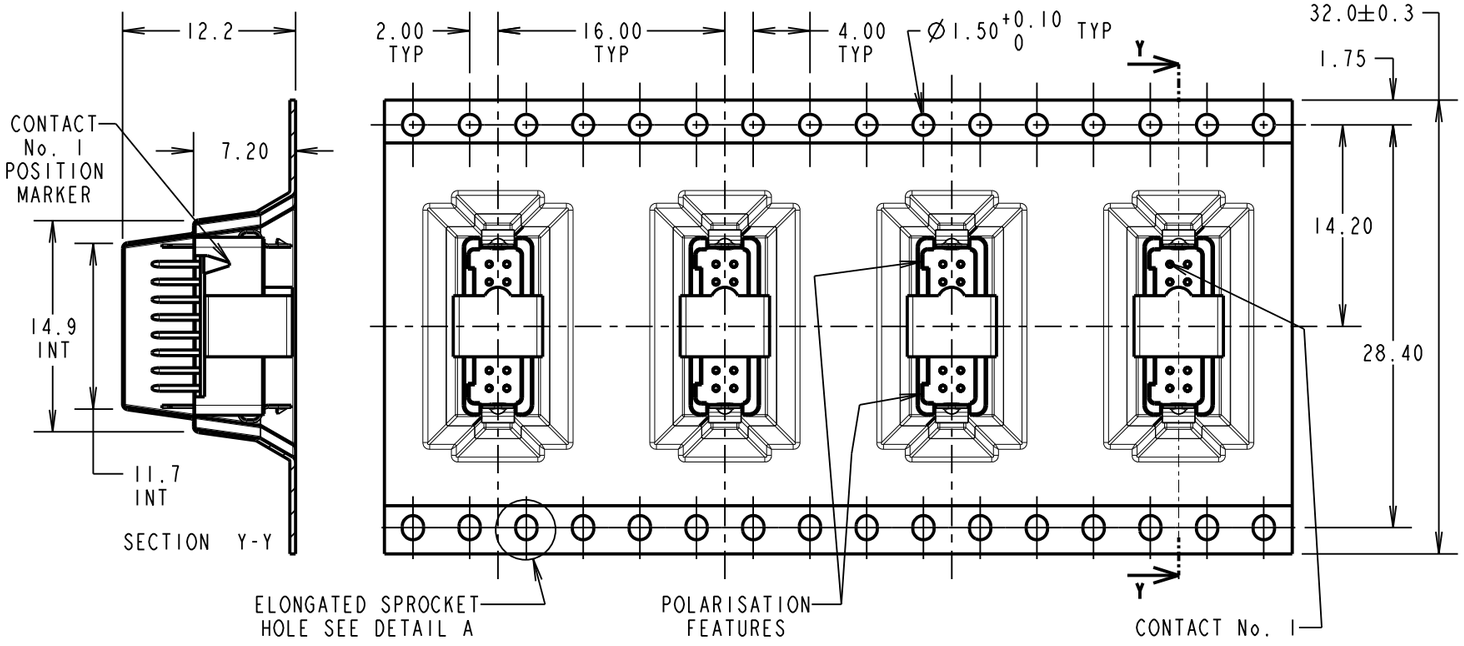
TITLE: 1.25mm MALE VERTICAL PC-TAIL 2x6 CONTACTS IN TAPE AND REEL

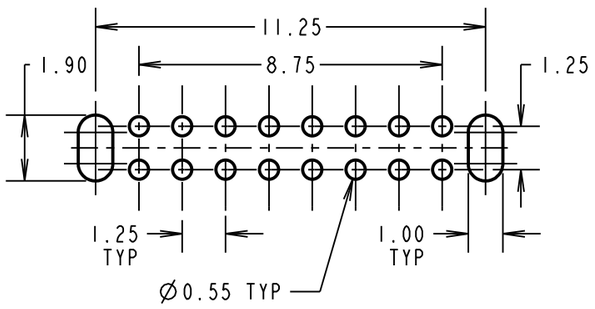
DRAWING NUMBER: G125-MVX1205LXX

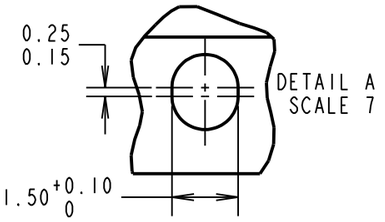
SHT 2 OF 3

Customer Information Sheet

DRAWING No.: G125-MVX1605LXX	IF IN DOUBT - ASK	©	NOT TO SCALE	THIRD ANGLE PROJECTION	ALL DIMENSIONS IN mm







ORDER CODE:

G125-MVX1605LXX

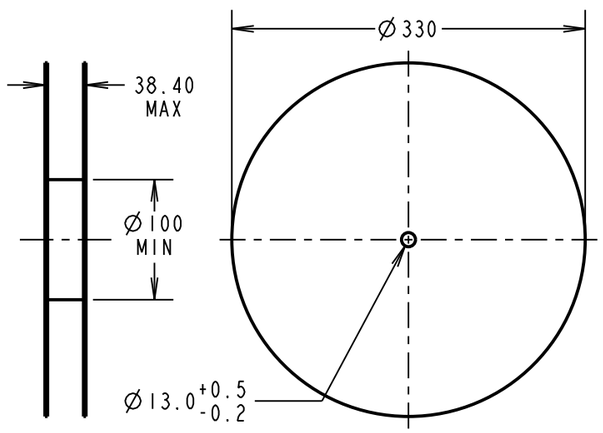
3.00mm PC-TAILS = V1
4.50mm PC-TAILS = V2

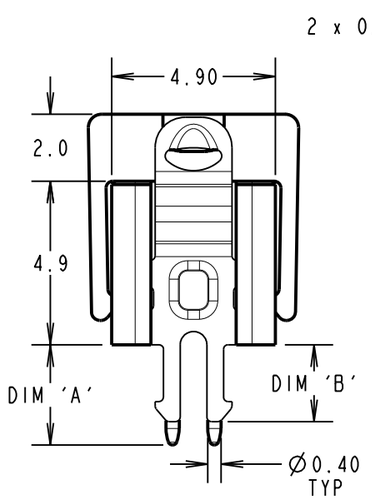
LATCHES:
NO LATCHES = L0
1.60mm PCB LATCHES = L1
2.40mm PCB LATCHES = L2

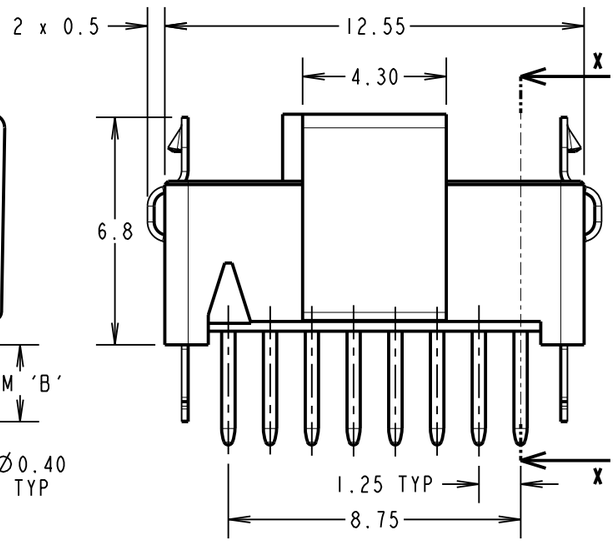
PACK TYPE:
250 PCS IN TAPE AND REEL = R
EACH (CUT TAPE LENGTHS) = P

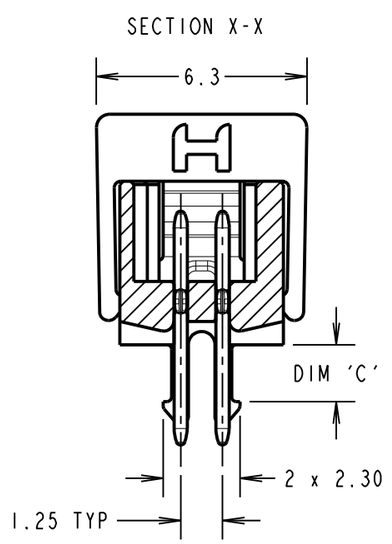
PATENT PENDING - UK 1205109.0

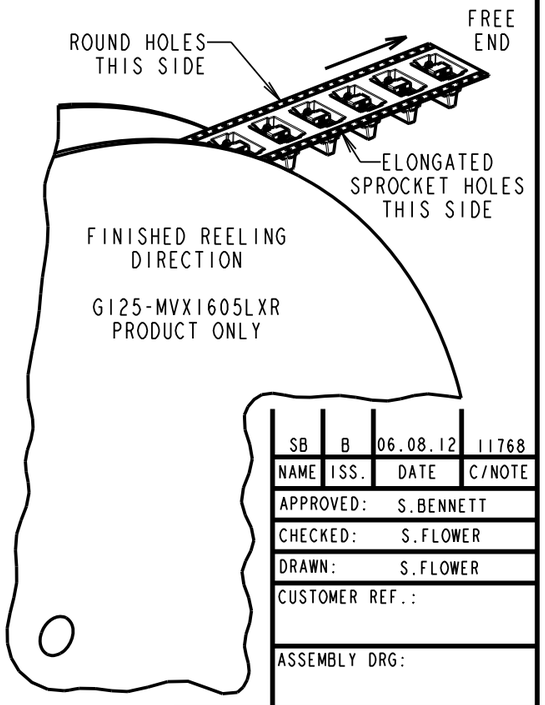
ORDER CODE	DIM 'A'	DIM 'B'	DIM 'C'	RECOMMENDED PCB THICKNESS
G125-MV11605L1R	3.00	2.30	1.70	1.60mm THICK
G125-MV21605L2R	4.50	3.10	2.50	2.40mm THICK











SB	B	06.08.12	11768
NAME	ISS.	DATE	C/NOTE

APPROVED:	S.BENNETT
CHECKED:	S.FLOWER
DRAWN:	S.FLOWER
CUSTOMER REF.:	
ASSEMBLY DRG:	

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 AWAY FROM THE FREE END.
4. LATCHES SHOWN FOR ILLUSTRATION ONLY. WHEN "L0" IS SPECIFIED IN ORDER CODE NO LATCHES WILL BE FITTED/SUPPLIED.
5. FOR "P" QUANTITIES ARE EACH AND CUT FROM G125-MVX1605LXR.

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technical@harwin.com

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

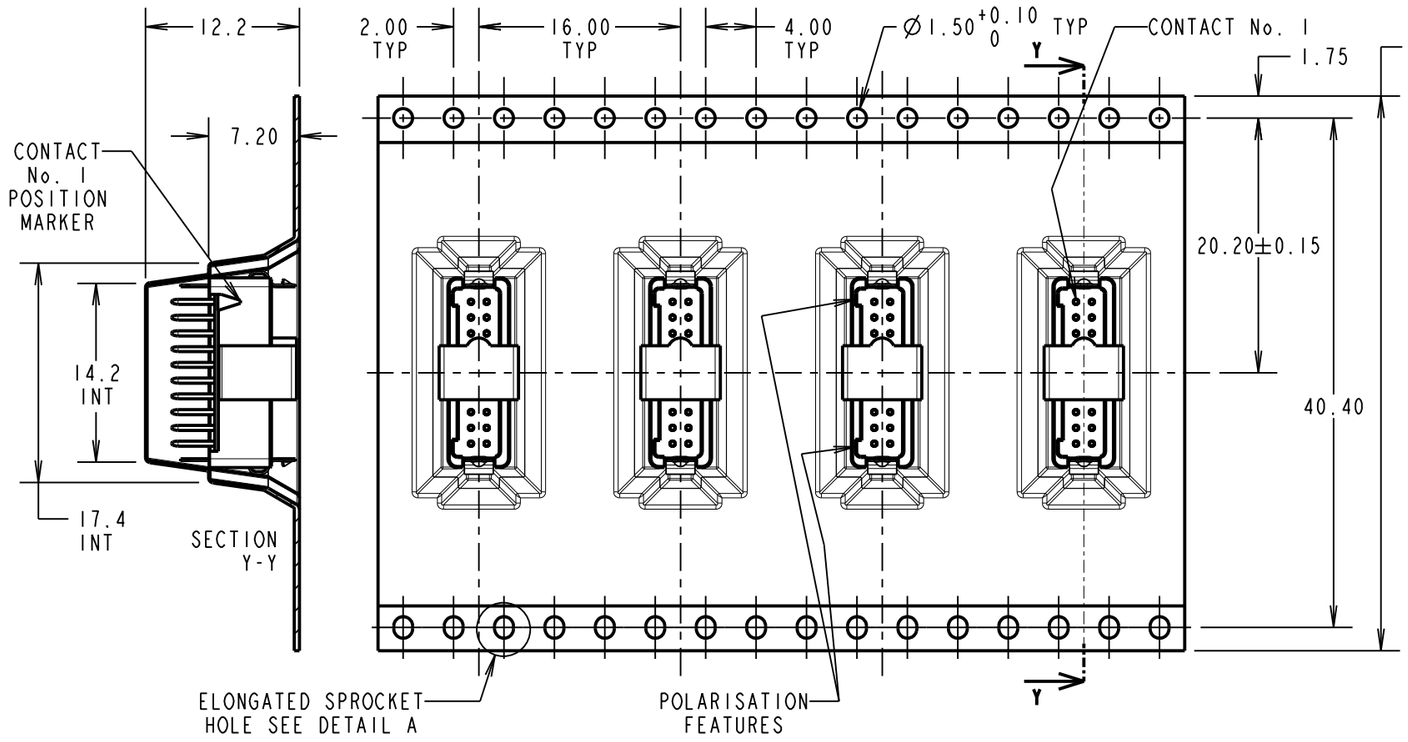
TITLE: 1.25mm MALE VERTICAL PC-TAIL 2x8 CONTACTS IN TAPE AND REEL

DRAWING NUMBER: G125-MVX1605LXX

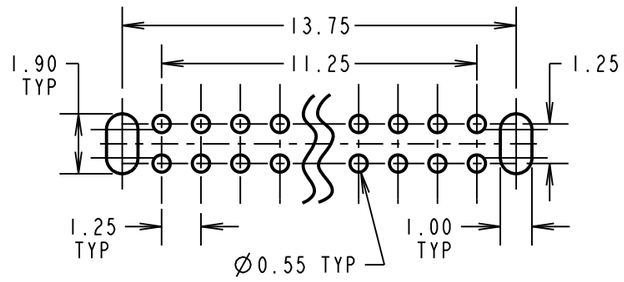
SHT 2 OF 3

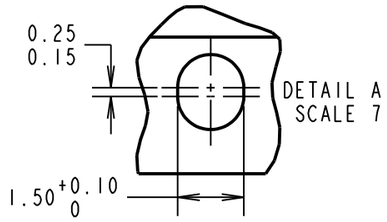
Customer Information Sheet

DRAWING No.: G125-MVX2005LXX	IF IN DOUBT - ASK	©	NOT TO SCALE	THIRD ANGLE PROJECTION	ALL DIMENSIONS IN mm



RECOMMENDED PCB LAYOUT





ORDER CODE:
G125-MVX2005LXX

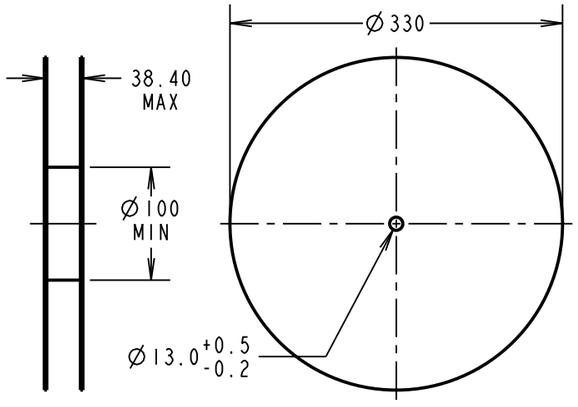
3.00mm PC-TAILS = V1
4.50mm PC-TAILS = V2

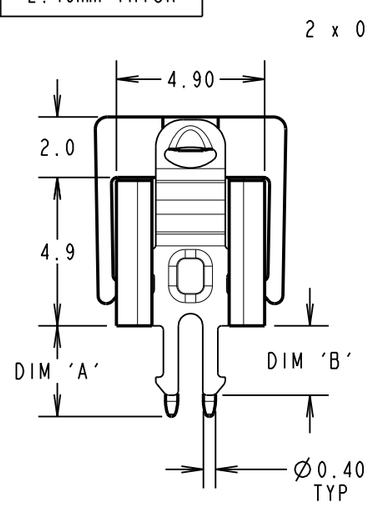
LATCHES:
NO LATCHES = L0
1.60mm PCB LATCHES = L1
2.40mm PCB LATCHES = L2

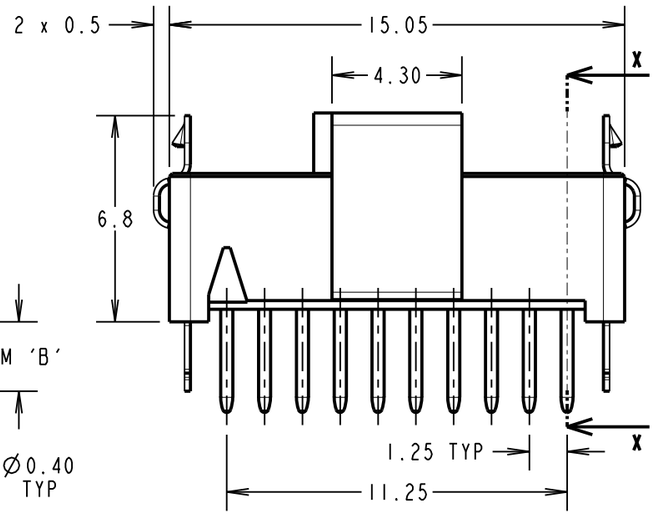
PACK TYPE:
250 PCS IN TAPE AND REEL = R
EACH (CUT TAPE LENGTHS) = P

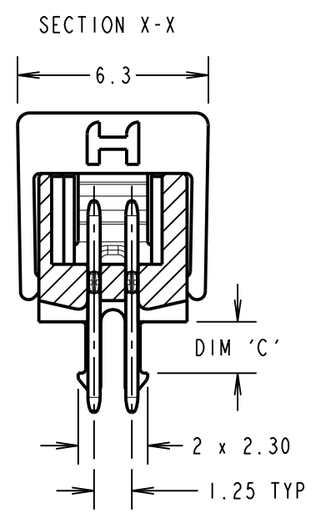
PATENT PENDING - UK 1205109.0

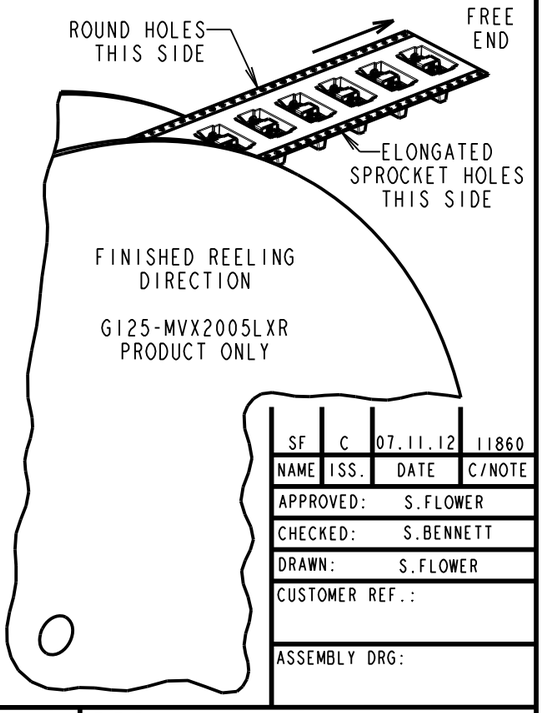
ORDER CODE	DIM 'A'	DIM 'B'	DIM 'C'	RECOMMENDED PCB THICKNESS
G125-MV12005L1R	3.00	2.30	1.70	1.60mm THICK
G125-MV22005L2R	4.50	3.10	2.50	2.40mm THICK











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 AWAY FROM THE FREE END.
4. LATCHES SHOWN FOR ILLUSTRATION ONLY. WHEN "L0" IS SPECIFIED IN ORDER CODE NO LATCHES WILL BE FITTED/SUPPLIED.
5. FOR "P" QUANTITIES ARE EACH AND CUT FROM G125-MVX2005LXR.

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

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technical@harwin.com

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

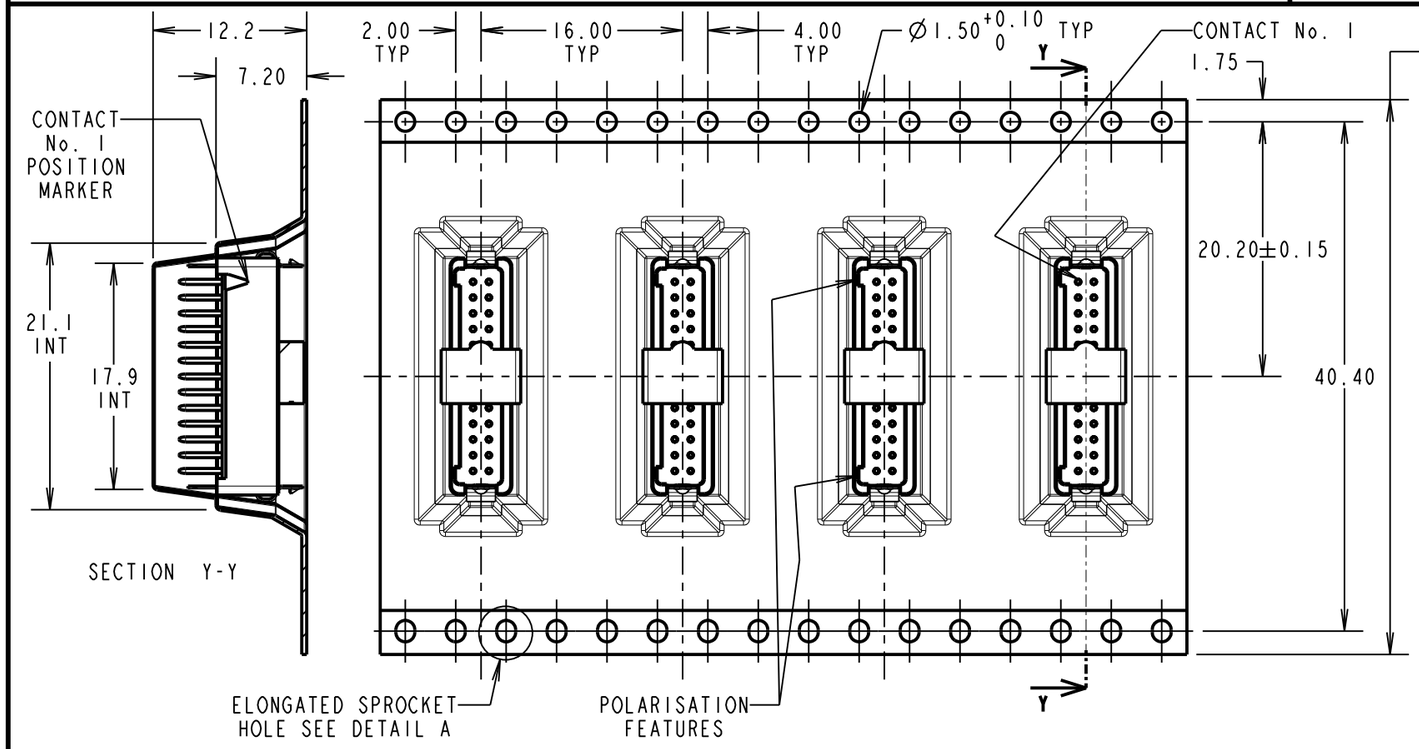
TITLE:
1.25mm MALE VERTICAL PC-TAIL
2x10 CONTACTS IN TAPE AND REEL

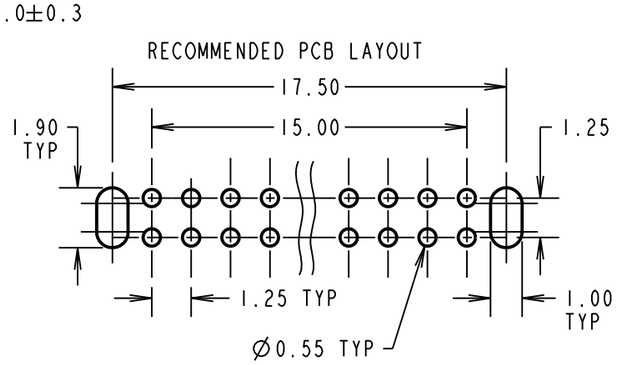
DRAWING NUMBER: G125-MVX2005LXX

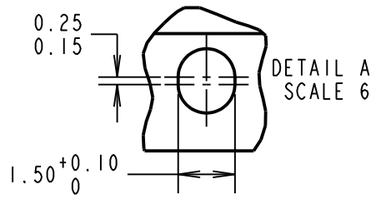
SHT 2 OF 3

Customer Information Sheet

DRAWING No.: G125-MVX2605LXX	IF IN DOUBT - ASK	©	NOT TO SCALE	THIRD ANGLE PROJECTION	ALL DIMENSIONS IN mm







ORDER CODE:
G125-MVX2605LXX

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

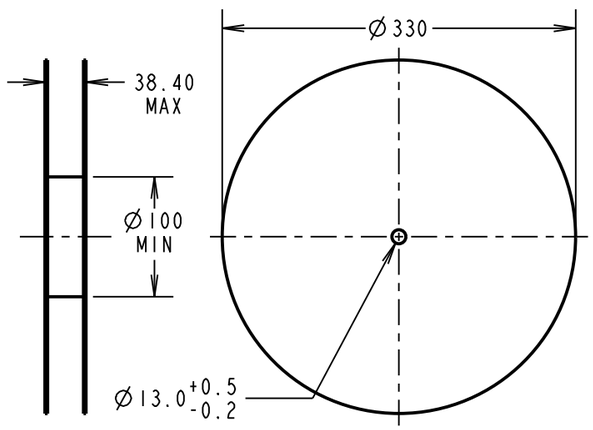
LATCHES:
NO LATCHES = L0
1.60mm PCB LATCHES = L1
2.40mm PCB LATCHES = L2

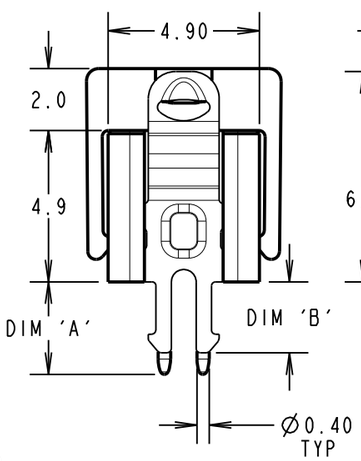
PACK TYPE:
250 PCS IN TAPE AND REEL = R
EACH (CUT TAPE LENGTHS) = P

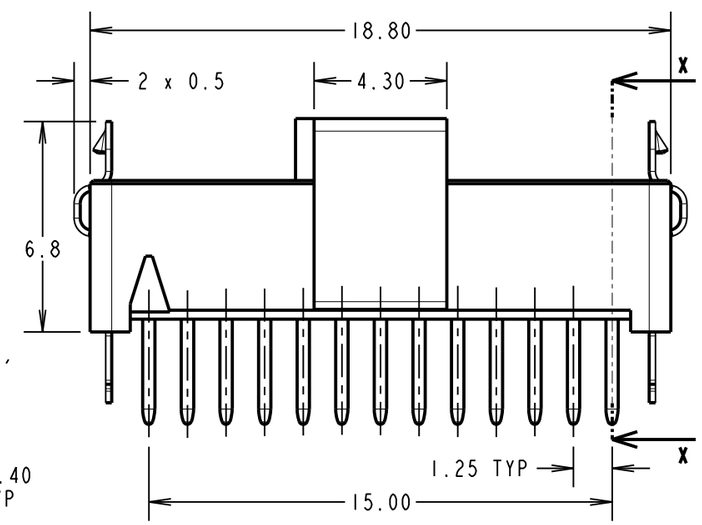
gecko

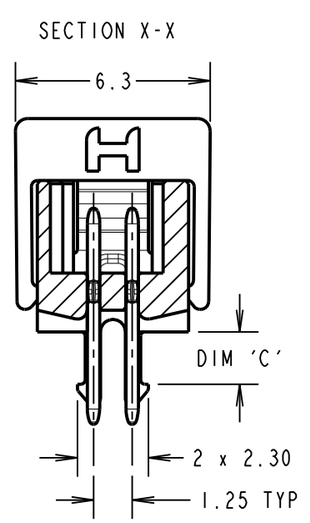
PATENT PENDING - UK 1205109.0

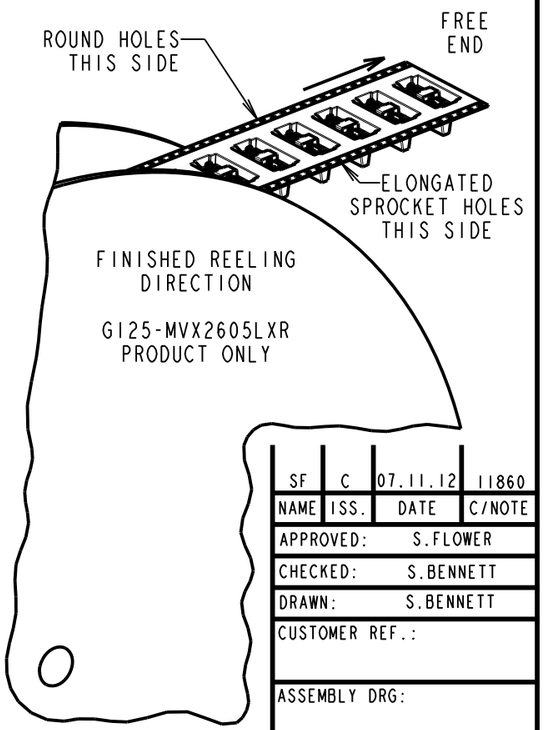
ORDER CODE	DIM 'A'	DIM 'B'	DIM 'C'	RECOMMENDED PCB THICKNESS
G125-MV12605L1R	3.00	2.30	1.70	1.60mm THICK
G125-MV22605L2R	4.50	3.10	2.50	2.40mm THICK











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 AWAY FROM THE FREE END.
4. LATCHES SHOWN FOR ILLUSTRATION ONLY. WHEN "L0" IS SPECIFIED IN ORDER CODE NO LATCHES WILL BE FITTED/SUPPLIED.
5. FOR "P" QUANTITIES ARE EACH AND CUT FROM G125-MVX2605LXR.

SF	C	07.11.12	11860
NAME	ISS.	DATE	C/NOTE

APPROVED:	S.FLOWER
CHECKED:	S.BENNETT
DRAWN:	S.BENNETT
CUSTOMER REF.:	
ASSEMBLY DRG:	

HARWIN
www.harwin.com
technical@harwin.com

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 MALE VERTICAL PC-TAIL
2x13 CONTACTS IN TAPE AND REEL

DRAWING NUMBER: G125-MVX2605LXX

Customer Information Sheet

DRAWING No.: G125-SERIES COMPONENT SPECIFICATION	IF IN DOUBT - ASK	©	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:
0.2-0.3µ GOLD OVER NICKEL
LATCHES:
3.0µ 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 11m/s IN X&Y AXIS.

* EIA-364-01A : 2000: ACCELERATION: 490 mm/s² (50G)
* BUMP SEVERITY: 390 mm/s² (40G), 4000± 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 = 20mΩ MAX
EIA-364-06C : 2006: CONTACT RESISTANCE AFTER CONDITIONING = 25mΩ 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 GΩ MIN AT 500V DC
EIA-364-21C : 2000: INSULATION RESISTANCE (AFTER CONDITIONING = >1 GΩ MIN AT 500V DC

FOR FULL COMPONENT SPECIFICATION SEE C125XX (LATEST ISSUE).

gecko

PATENT PENDING - UK 1205109.0

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

HARWIN

www.harwin.com
technical@harwin.com

TOLERANCES
X. = ±1mm
X.X = ±0.25mm
X.XX = ±0.10mm
X.XXX = ±0.01mm
ANGLES = ±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 :

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Contact Us :

- ### Address :

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

- ### Sales :

  Direct +86 (21) 6401-6692

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