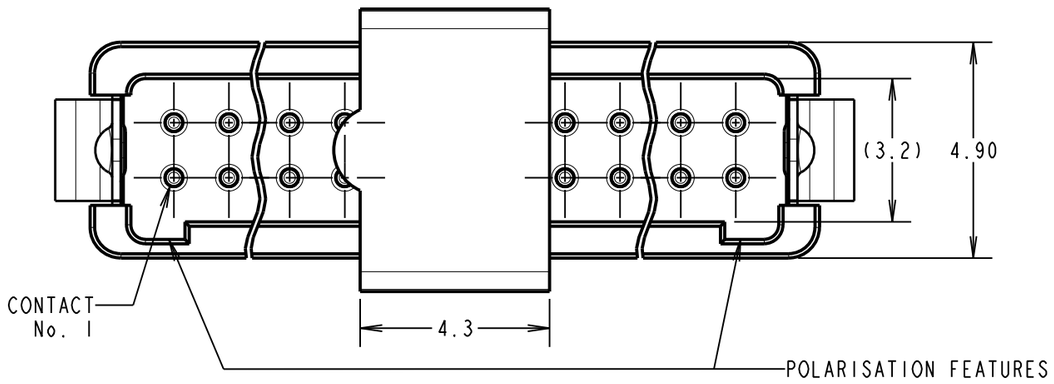
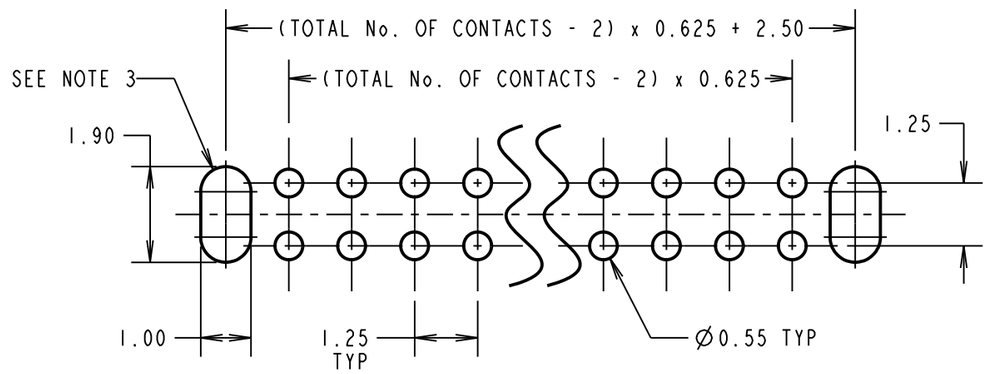
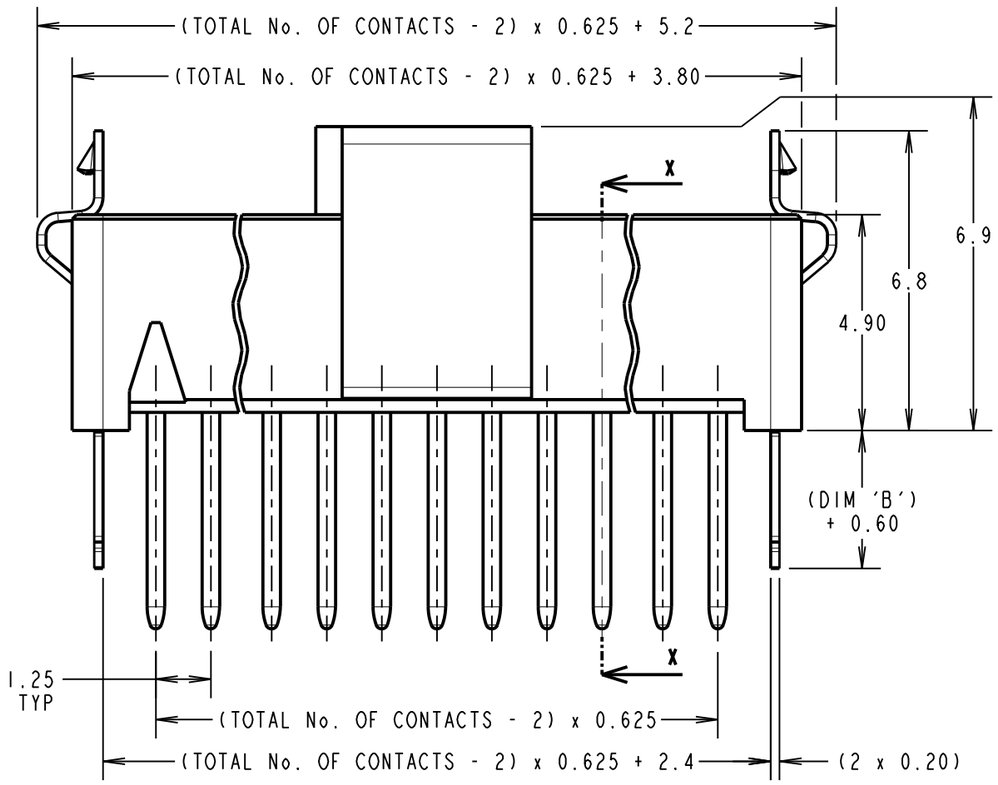
Customer Information Sheet

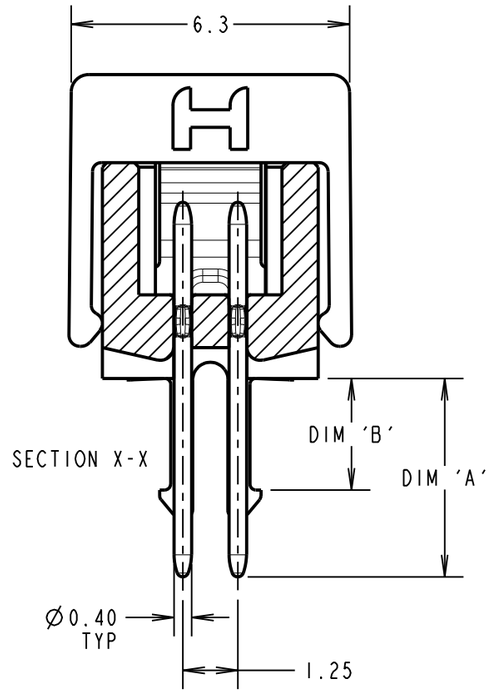
DRAWING No.: G125-MVXXX05LXX	IF IN DOUBT - ASK	©	NOT TO SCALE	THIRD ANGLE PROJECTION	ALL DIMENSIONS IN mm



RECOMMENDED PCB LAYOUT







ORDER CODE: **G125-MVXXX05LXX**

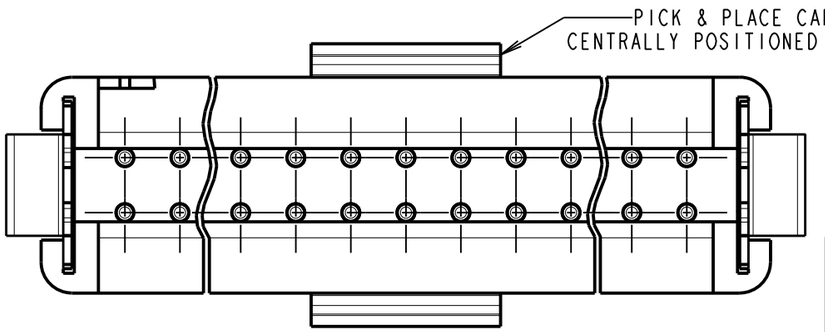
CONTACT STYLE:
3.00MM PC-TAIL = V1
4.50MM PC-TAIL = V2

TOTAL No. OF CONTACTS:
06, 10, 12, 16, 20, 26, 34, 50

LATCHES:
NO LATCHES = L0
1.6mm LATCHES = L1
2.4mm LATCHES = L2

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

CONTACT STYLE	DIM 'A'	LATCH STYLE	DIM 'B'
V1	3.00	L0	NO LATCH
		L1	1.70
V2	4.50	L0	NO LATCH
		L2	2.50



CONNECTOR DETAILS AND PCB LAYOUT ONLY
SEE SHEET 3 FOR TAPE AND REEL DETAILS

NOTES:
1. FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C125XX (LATEST ISSUE).
2. LATCHES SHOWN FOR ILLUSTRATION ONLY. WHEN "L0" IS SPECIFIED IN ORDER CODE NO LATCHES WILL BE FITTED/SUPPLIED.
3. SLOTS NOT REQUIRED WHEN "L0" IS SPECIFIED IN ORDER CODE.
4. SEE SHEET 3 FOR TAPE & REEL DETAILS OF THIS PRODUCT.

NAME	ISS.	DATE	C/NOTE
SF	G	16.06.13	11976
APPROVED: S.FLOWER			
CHECKED: S.BENNETT			
DRAWN: S.FLOWER			
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN
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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 4

FINISH:

S/AREA: mm²

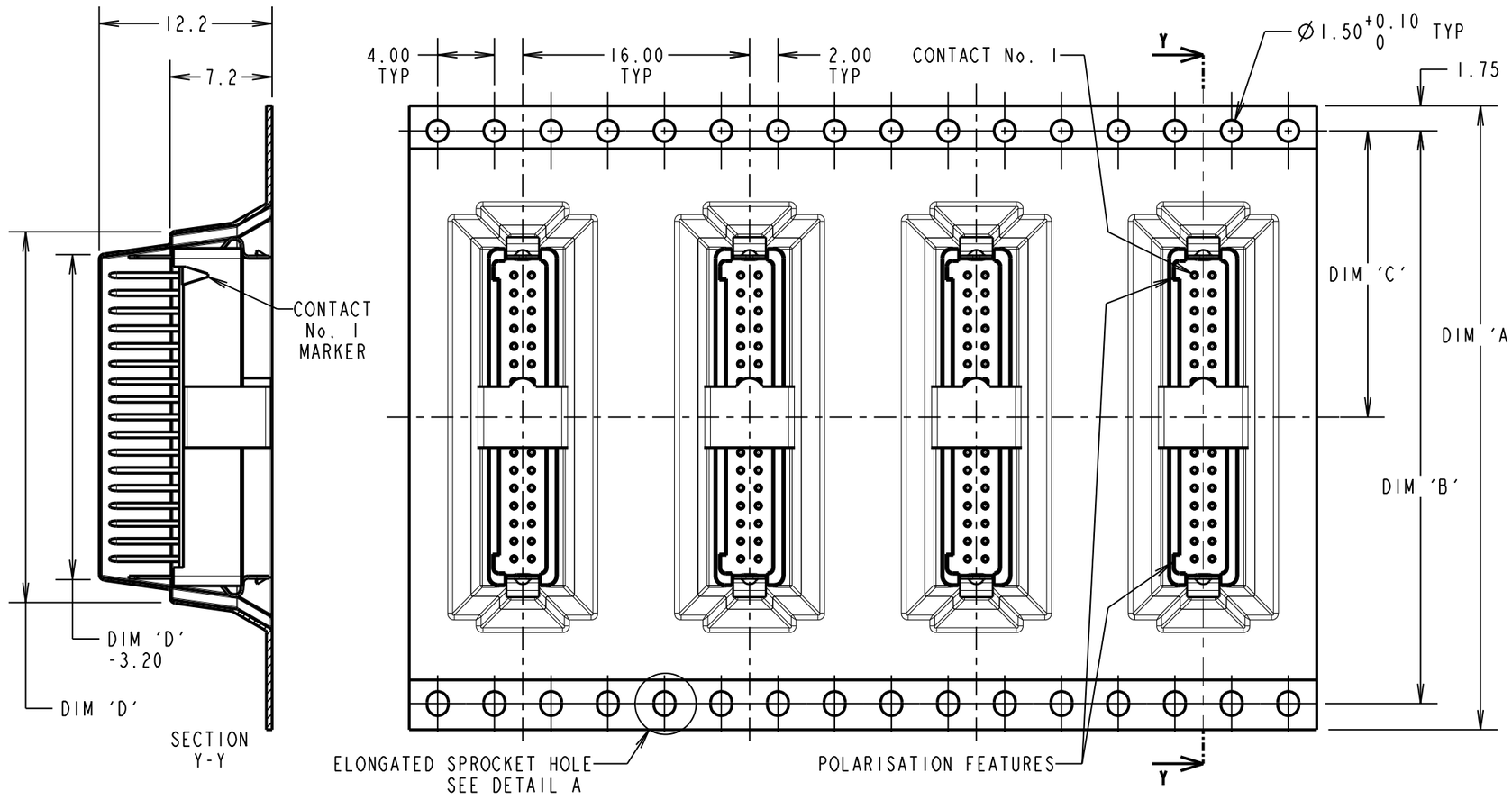
TITLE: 1.25mm GECKO MALE VERTICAL THROUGH BOARD CONNECTORS IN TAPE & REEL

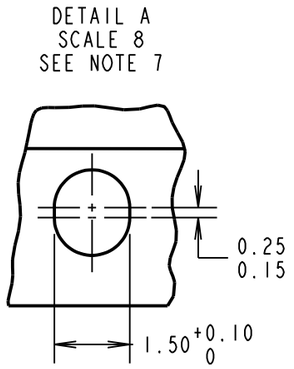
DRAWING NUMBER: G125-MVXXX05LXX

SHT 2 OF 4

Customer Information Sheet

DRAWING No.: G125-MVXXXX05LXX	IF IN DOUBT - ASK	©	NOT TO SCALE	THIRD ANGLE PROJECTION	ALL DIMENSIONS IN mm





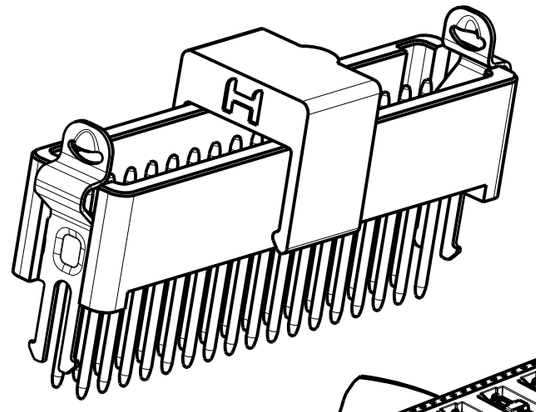
ORDER CODE: **G125-MVXXX05LXX**

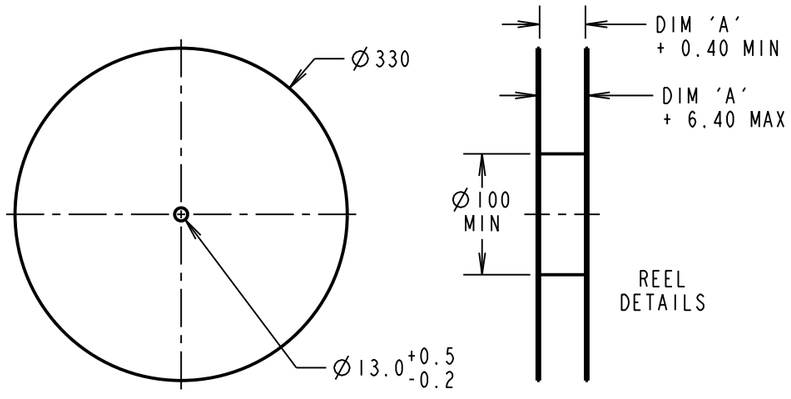
CONTACT STYLE:
- 3.00MM PC-TAIL = V1
- 4.50MM PC-TAIL = V2

TOTAL No. OF CONTACTS:
06, 10, 12, 16, 20, 26, 34, 50

LATCHES:
- NO LATCHES = L0
- 1.6mm LATCHES = L1
- 2.4mm LATCHES = L2

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





REELED PART No.	LOOSE PART No.	DIM 'A'	DIM 'B'	DIM 'C'	(DIM 'D')
G125-MVX0605LXR	G125-MVX0605LXP	24.0±0.3	NO ELONGATED HOLE	11.50	(8.6)
G125-MVX1005LXR	G125-MVX1005LXP				(11.1)
G125-MVX1205LXR	G125-MVX1205LXP	32.0±0.3	28.40	14.20	(12.4)
G125-MVX1605LXR	G125-MVX1605LXP				(14.9)
G125-MVX2005LXR	G125-MVX2005LXP	44.0±0.3	40.40	20.2±0.15	(17.4)
G125-MVX2605LXR	G125-MVX2605LXP				(21.1)
G125-MVX3405LXR	G125-MVX3405LXP				(26.1)
G125-MVX5005LXR	G125-MVX5005LXP	56.0±0.3	52.40	26.2±0.15	(36.1)

NOTES:
1. FOR "R" QUANTITY OF COMPONENTS PER REEL = 250.
2. FOR "P" QUANTITIES ARE EACH AND CUT FROM G125-MVXXX05LXR.
3. THIS PRODUCT IS TAPED AND REELED IN ACCORDANCE WITH EIA-481-2-A (ELECTRONIC INDUSTRIES ASSOCIATION).
4. FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C125XX (LATEST ISSUE).
5. COMPONENTS ARE ORIENTATED IN TAPE POCKETS SO THAT THE POLARISING FEATURES ARE FACING AWAY FROM THE FREE END.
6. LATCHES SHOWN FOR ILLUSTRATION ONLY. WHEN "L0" IS SPECIFIED IN ORDER CODE NO LATCHES WILL BE FITTED/SUPPLIED.
7. ELONGATED SPROCKET HOLE NOT PRESENT ON 06 & 10 POSITIONS.

SF	1	22.11.13	12281
NAME	ISS.	DATE	C/NOTE
APPROVED:	S.FLOWER		
CHECKED:	S.BENNETT		
DRAWN:	S.FLOWER		
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWiN

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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 4

FINISH:

S/AREA: mm²

TITLE: 1.25mm GECKO MALE VERTICAL THROUGH BOARD CONNECTORS IN TAPE & REEL

DRAWING NUMBER: G125-MVXXX05LXX

SHT 3 OF 4

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 (CABLE ASSEMBLIES ONLY):
STYCAST 2651 MM BACK POTTING WITH CATALYST 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: 65/150/56 DAYS AT 93% 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	21.11.13	12281
NAME	DATE	C/NOTE
APPROVED:	S.FLOWER	
CHECKED:	S.BENNETT	
DRAWN:	S.FLOWER	

HARWIN

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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 ABOVE

FINISH: SEE ABOVE

TITLE: G125 SERIES COMPONENT SPECIFICATION

DRAWING NUMBER: G125-SERIES CONNECTORS

SHT 4 OF 4

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Harwin:

G125-MV13405L0P G125-MS15005L0R G125-MS15005L3P G125-MS15005L3R G125-MV10605L1P G125-MV10605L1R G125-MV11005L0P G125-MV11005L0R G125-MV11005L1P G125-MV11005L1R G125-MV11205L0R G125-MV11205L1R G125-MV11605L0R G125-MV11605L1R G125-MV12005L0R G125-MV12005L1R G125-MV12605L0R G125-MV12605L1R G125-MV13405L0R G125-MV13405L1P G125-MV13405L1R G125-MV15005L0P G125-MV15005L0R G125-MV15005L1P G125-MV15005L1R G125-MV20605L0P G125-MV20605L0R G125-MV20605L2P G125-MV20605L2R G125-MV21005L0P G125-MV21005L0R G125-MV21005L2P G125-MV21005L2R G125-MV21205L0R G125-MV21205L2R G125-MV21605L0R G125-MV21605L2R G125-MV22005L0R G125-MV22005L2R G125-MV22605L0R G125-MV22605L2R G125-MV23405L0P G125-MV23405L0R G125-MV23405L2P G125-MV23405L2R G125-MV25005L0P G125-MV25005L0R G125-MV25005L2P G125-MV25005L2R G125-MV10605L0P G125-MV10605L0R