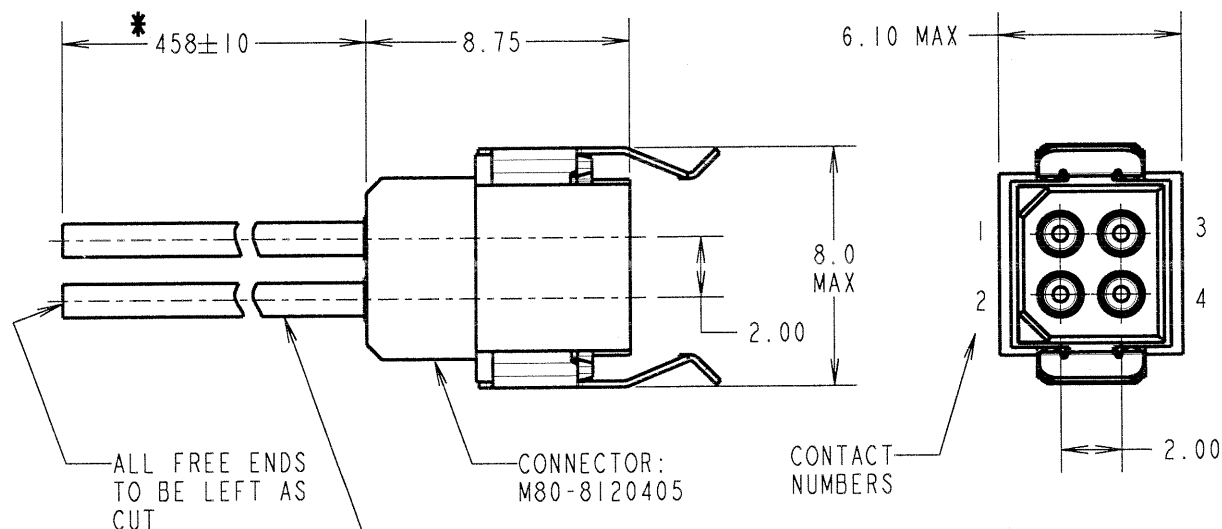




\* WIRES: 4-OFF STRANDED SILVER PLATED COPPER  
WITH EXTRUDED TEFLON INSULATION.

SPECIFICATION: MIL-W-16878/4BDE-X (X DENOTES COLOR)

GAUGE: 26

STRANDING: 19/38

NOM. WALL THICKNESS: 0.010" (0.25mm)

NOM OUTSIDE DIAMETER: 0.041" (1.04mm)

VOLTAGE RATING: 600V

TEMP RANGE: -60°C TO +200°C

#### NOTES:

- ALL DIMENSIONS AND NOTES MARKED \* ARE CRITICAL AND MUST BE CHECKED IN ACCORDANCE WITH QUALITY INSTRUCTION Q1-02.
- STRIP WIRE BY 2.00mm FOR CRIMPING.
- RECOMMENDED HAND CRIMP TOOL = M22520/2-01 WITH POSITIONER T5747.  
ALSO AVAILABLE: PNEUMATIC AND ELECTRICAL CRIMP MACHINES.
- CONTACT INSERTION AND EXTRACTION TOOL = Z80-280
- REFER TO INSTRUCTION SHEET FOR HAND CRIMP TOOL M22520/2-01 FOR COMPLETE CRIMPING INSTRUCTIONS.
- THIS ASSEMBLY IS RoHS COMPLIANT.

#### SPECIFICATIONS:

##### MATERIAL:

MOULDING = GLASS-FILLED POLYAMIDE 46, UL94V-0, BLACK

CLIP = BERYLLIUM COPPER

SHELL = BRASS

##### FINISH:

CONTACTS: 0.25-0.30μ GOLD

LATCH = 1.25μ NICKEL

##### ELECTRICAL:

CURRENT RATING AT 25°C = 3.0A MAX

CURRENT RATING AT 85°C = 2.2A MAX

WORKING VOLTAGE = 120V AC/DC

VOLTAGE PROOF = 360V AC/DC

CONTACT RESISTANCE = 25 MILLIOHMS MAX

INSULATION RESISTANCE = 100 MEGOHMS MIN

##### MECHANICAL:

DURABILITY = 500 OPERATIONS

##### ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

##### PACKING:

LOOSE

FOR COMPLETE SPECIFICATION, SEE COMPONENT  
SPECIFICATION C005XX (LATEST ISSUE)

| CONTACT<br>NUMBER | WIRE<br>COLOR |
|-------------------|---------------|
| 1                 | BLACK         |
| 2                 | BROWN         |
| 3                 | RED           |
| 4                 | ORANGE        |

|     |   |          |      |
|-----|---|----------|------|
| JMB | 2 | 16.03.06 | 9095 |
| JMB | 1 | 30.01.06 | ---- |
| JMB | A | 16.01.06 | ---- |

| NAME | ISS. | DATE | C/NOTE |
|------|------|------|--------|
|------|------|------|--------|

APPROVED: *[Signature]*

CHECKED: *[Signature]*

DRAWN: JM BROOKES

CUSTOMER REF.:

ASSEMBLY DRG:

# HARWIN

|                                                                        |                                                                                    |                                                                                |
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| HARWIN USA<br>TEL: 603 893 5376<br>FAX: 603 893 5396<br>mis@harwin.com | HARWIN Europe (UK)<br>TEL: 023 9231 4545<br>FAX: 023 9231 4590<br>mis@harwin.co.uk | HARWIN Asia<br>TEL: +65 6 779 4909<br>FAX: +65 6 779 3868<br>mis@harwin.com.sg |
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OR USED FOR MANUFACTURING,  
TENDERING OR FOR ANY  
OTHER PURPOSE WITHOUT  
THEIR WRITTEN PERMISSION.

#### 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

S/AREA: mm<sup>2</sup>

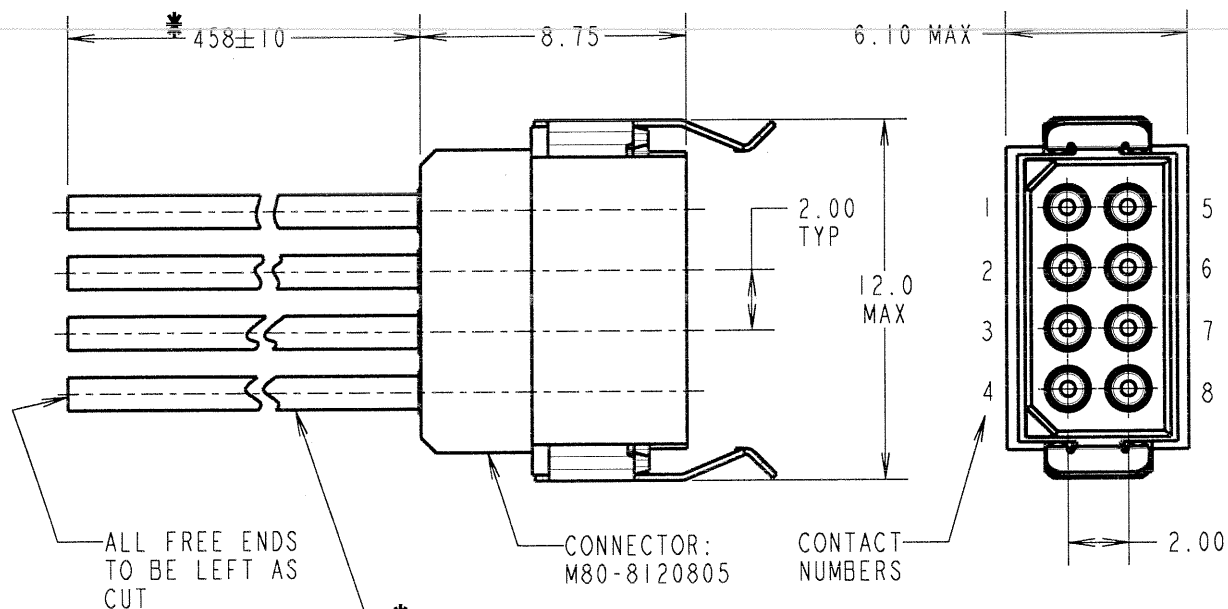
#### TITLE:

DATAMATE DIL CRIMP LATCH  
PLUG ASSEMBLY (2+2)

DRAWING NUMBER:

M80C108367C

SHT  
1 OF 1



\* WIRES: 8-OFF STRANDED SILVER PLATED COPPER  
WITH EXTRUDED TEFLON INSULATION.

SPECIFICATION: MIL-W-16878/4BDE-X (X DENOTES COLOR)

GAUGE: 26

STRANDING: 19/38

NOM. WALL THICKNESS: 0.010" (0.25mm)

NOM OUTSIDE DIAMETER: 0.041" (1.04mm)

VOLTAGE RATING: 600V

TEMP RANGE: -60°C TO +200°C

#### NOTES:

- ALL DIMENSIONS AND NOTES MARKED \* ARE CRITICAL AND MUST BE CHECKED IN ACCORDANCE WITH QUALITY INSTRUCTION Q1-02.
- STRIP WIRE BY 2.00mm FOR CRIMPING.
- RECOMMENDED HAND CRIMP TOOL = M22520/2-01 WITH POSITIONER T5747.  
ALSO AVAILABLE: PNEUMATIC AND ELECTRICAL CRIMP MACHINES.
- CONTACT INSERTION AND EXTRACTION TOOL = Z80-280
- REFER TO INSTRUCTION SHEET FOR HAND CRIMP TOOL M22520/2-01 FOR COMPLETE CRIMPING INSTRUCTIONS.
- THIS ASSEMBLY IS RoHS COMPLIANT.

#### SPECIFICATIONS:

##### MATERIAL:

MOULDING = GLASS-FILLED POLYAMIDE 46, UL94V-0, BLACK

CLIP = BERYLLIUM COPPER

SHELL = BRASS

##### FINISH:

CONTACTS = 0.25µ-0.30µ GOLD

LATCH = 1.25µ NICKEL

##### ELECTRICAL:

CURRENT RATING AT 25°C = 3.0A MAX

CURRENT RATING AT 85°C = 2.2A MAX

WORKING VOLTAGE = 120V AC/DC

VOLTAGE PROOF = 360V AC/DC

CONTACT RESISTANCE = 25 MILLIOHMS MAX

INSULATION RESISTANCE = 100 MEGOHMS MIN

##### MECHANICAL:

DURABILITY = 500 OPERATIONS

##### ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

##### PACKING:

LOOSE

FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE)

| CONTACT NUMBER | WIRE COLOR |
|----------------|------------|
| 1              | BLACK      |
| 2              | BROWN      |
| 3              | RED        |
| 4              | ORANGE     |
| 5              | YELLOW     |
| 6              | GREEN      |
| 7              | BLUE       |
| 8              | VIOLET     |

| JMB            | 2          | 16.03.06 | 9095   |
|----------------|------------|----------|--------|
| JMB            | 1          | 30.01.06 | ----   |
| JMB            | A          | 16.01.06 | ----   |
| NAME           | ISS.       | DATE     | C/NOTE |
| APPROVED:      |            |          |        |
| CHECKED:       |            |          |        |
| DRAWN:         | JM BROOKES |          |        |
| CUSTOMER REF.: |            |          |        |
| ASSEMBLY DRG:  |            |          |        |

# HARWIN

|                                                                        |                                                                                    |                                                                                |
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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 ABOVE

#### FINISH:

SEE ABOVE

#### S/AREA:

mm<sup>2</sup>

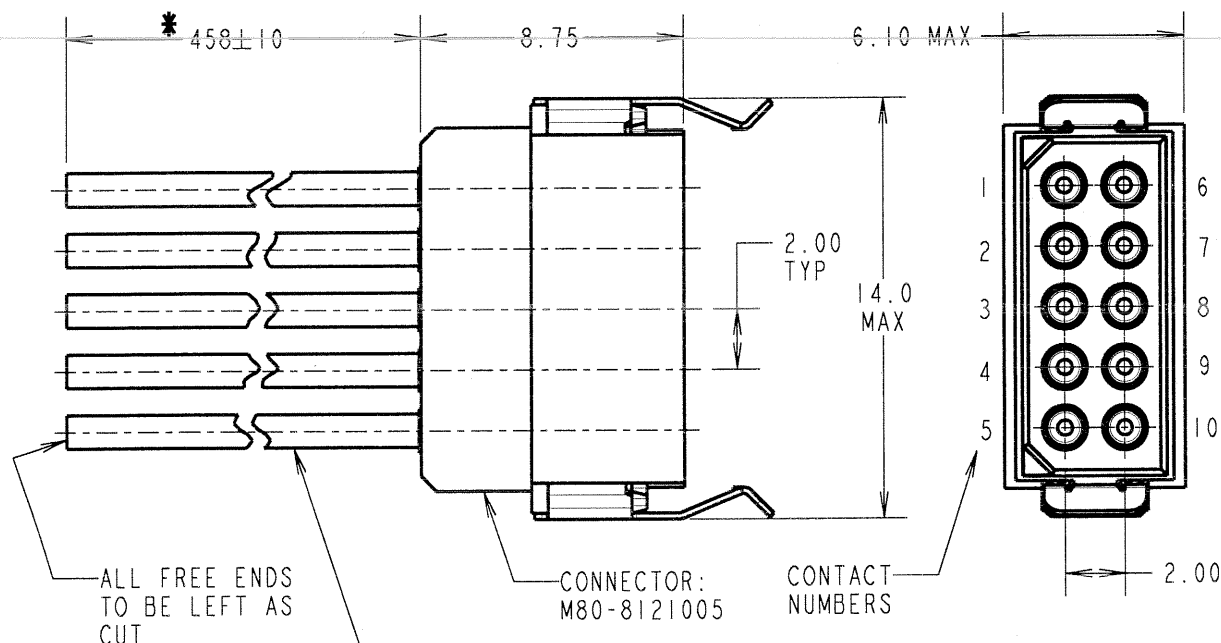
#### TITLE:

DATAMATE DIL CRIMP LATCH  
PLUG ASSEMBLY (4+4)

#### DRAWING NUMBER:

M80C108368C

SHT  
1 OF 1



## SPECIFICATIONS:

## MATERIAL:

MOULDING = GLASS-FILLED POLYAMIDE 46, UL94V-0, BLACK

CLIP = BERYLLIUM COPPER

SHELL = BRASS

## FINISH:

CONTACTS = 0.25µ-0.30µ GOLD

LATCH = 1.25µ NICKEL

## ELECTRICAL:

CURRENT RATING AT 25°C = 3.0A MAX

CURRENT RATING AT 85°C = 2.2A MAX

WORKING VOLTAGE = 120V AC/DC

VOLTAGE PROOF = 360V AC/DC

CONTACT RESISTANCE = 25 MILLIOHMS MAX

INSULATION RESISTANCE = 100 MEGOHMS MIN

## MECHANICAL:

DURABILITY = 500 OPERATIONS

## ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

## PACKING:

LOOSE

FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE)

\* WIRES: 10-OFF STRANDED SILVER PLATED COPPER  
WITH EXTRUDED TEFLON INSULATION.

SPECIFICATION: MIL-W-16878/4BDE-X (X DENOTES COLOR)

GAUGE: 26

STRANDING: 19/38

NOM. WALL THICKNESS: 0.010" (0.25mm)

NOM OUTSIDE DIAMETER: 0.041" (1.04mm)

VOLTAGE RATING: 600V

TEMP RANGE: -60°C TO +200°C

## NOTES:

- ALL DIMENSIONS AND NOTES MARKED \* ARE CRITICAL AND MUST BE CHECKED IN ACCORDANCE WITH QUALITY INSTRUCTION Q1-02.
- STRIP WIRE BY 2.00mm FOR CRIMPING.
- RECOMMENDED HAND CRIMP TOOL = M22520/2-01 WITH POSITIONER T5747. ALSO AVAILABLE: PNEUMATIC AND ELECTRICAL CRIMP MACHINES.
- CONTACT INSERTION AND EXTRACTION TOOL = Z80-280
- REFER TO INSTRUCTION SHEET FOR HAND CRIMP TOOL M22520/2-01 FOR COMPLETE CRIMPING INSTRUCTIONS.
- THIS ASSEMBLY IS RoHS COMPLIANT.

| CONTACT NUMBER | WIRE COLOR |
|----------------|------------|
| 1              | BLACK      |
| 2              | BROWN      |
| 3              | RED        |
| 4              | ORANGE     |
| 5              | YELLOW     |
| 6              | GREEN      |
| 7              | BLUE       |
| 8              | VIOLET     |
| 9              | GRAY       |
| 10             | WHITE      |

| JMB            | 2          | 16.03.06 | 9095   |
|----------------|------------|----------|--------|
| JMB            | 1          | 30.01.06 | ----   |
| JMB            | A          | 16.01.06 | ----   |
| NAME           | ISS.       | DATE     | C/NOTE |
| APPROVED:      |            |          |        |
| CHECKED:       |            |          |        |
| DRAWN:         | JM BROOKES |          |        |
| CUSTOMER REF.: |            |          |        |
| ASSEMBLY DRG:  |            |          |        |

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|                                                                        |                                                                                    |                                                                                |
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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 ABOVE

## FINISH:

SEE ABOVE

## S/AREA:

mm<sup>2</sup>

## TITLE:

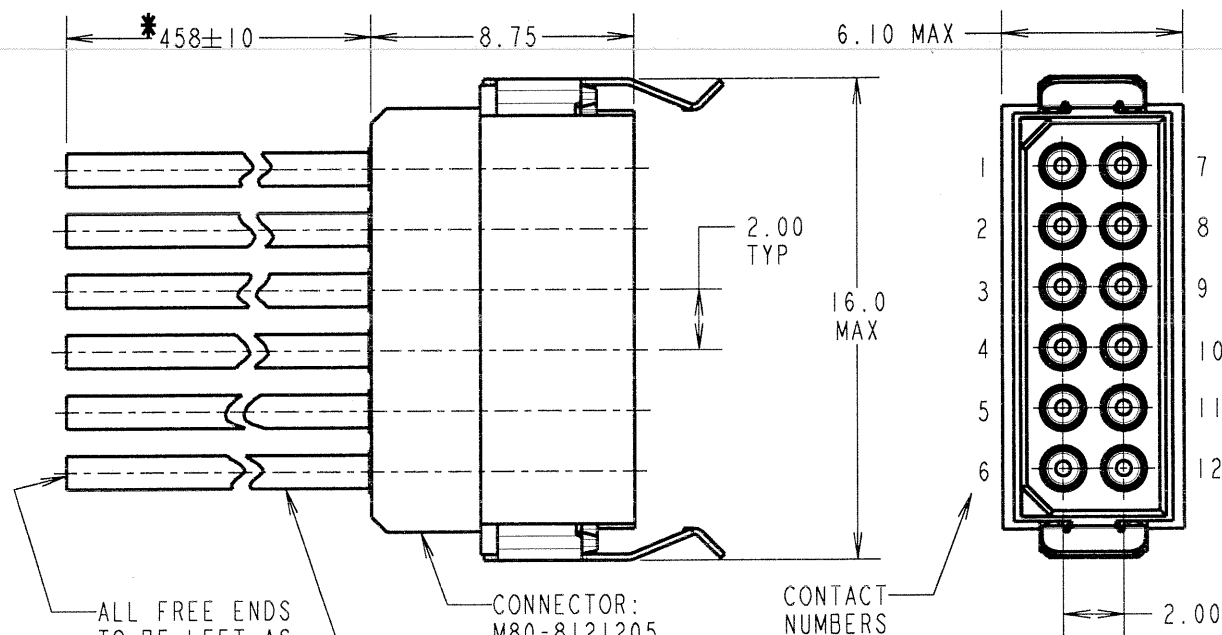
DATAMATE DIL CRIMP LATCH  
PLUG ASSEMBLY (5+5)

## DRAWING NUMBER:

M80C108369C

## SHT

1 OF 1



\* WIRES: 12-OFF STRANDED SILVER PLATED COPPER WITH EXTRUDED TEFLON INSULATION.

SPECIFICATION: MIL-W-16878/4BDE-X (X DENOTES COLOR)

GAUGE: 26, STRANDING: 19/38

NOM. WALL THICKNESS: 0.010" (0.25mm)

NOM. OUTSIDE DIAMETER: 0.041" (1.04mm)

VOLTAGE RATING: 600V

TEMP RANGE: -60°C TO +200°C

## NOTES:

- ALL DIMENSIONS AND NOTES MARKED \* ARE CRITICAL AND MUST BE CHECKED IN ACCORDANCE WITH QUALITY INSTRUCTION Q1-02.
- STRIP WIRE BY 2.00mm FOR CRIMPING.
- RECOMMENDED HAND CRIMP TOOL = M22520/2-01 WITH POSITIONER T5747. ALSO AVAILABLE: PNEUMATIC AND ELECTRICAL CRIMP MACHINES.
- CONTACT INSERTION AND EXTRACTION TOOL = Z80-280
- REFER TO INSTRUCTION SHEET FOR HAND CRIMP TOOL M22520/2-01 FOR COMPLETE CRIMPING INSTRUCTIONS.
- THIS ASSEMBLY IS RoHS COMPLIANT.

## SPECIFICATIONS:

## MATERIAL:

MOULDING = GLASS-FILLED POLYAMIDE 46, UL94V-0, BLACK

CLIP = BERYLLIUM COPPER

SHELL = BRASS

## FINISH:

CONTACTS = 0.25µ-0.30µ GOLD

LATCH = 1.25µ NICKEL

## ELECTRICAL:

CURRENT RATING AT 25°C = 3.0A MAX

CURRENT RATING AT 85°C = 2.2A MAX

WORKING VOLTAGE = 120V AC/DC

VOLTAGE PROOF = 360V AC/DC

CONTACT RESISTANCE = 25 MILLIOHMS MAX

INSULATION RESISTANCE = 100 MEGOHMS MIN

## MECHANICAL:

DURABILITY = 500 OPERATIONS

## ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

## PACKING:

LOOSE

FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE)

| CONTACT NUMBER | WIRE COLOR           |
|----------------|----------------------|
| 1              | BLACK                |
| 2              | BROWN                |
| 3              | RED                  |
| 4              | ORANGE               |
| 5              | YELLOW               |
| 6              | GREEN                |
| 7              | BLUE                 |
| 8              | VIOLET               |
| 9              | GRAY                 |
| 10             | WHITE                |
| 11             | WHITE / BLACK STRIPE |
| 12             | WHITE / BROWN STRIPE |

|     |   |          |      |
|-----|---|----------|------|
| JMB | 2 | 16.03.06 | 9095 |
| JMB | 1 | 30.01.06 | ---- |
| JMB | A | 16.01.06 | ---- |

| NAME | ISS. | DATE | C/NOTE |
|------|------|------|--------|
|------|------|------|--------|

APPROVED: *[Signature]*

CHECKED: *[Signature]*

DRAWN: JM BROOKES

CUSTOMER REF.:

ASSEMBLY DRG:

# HARWIN

|                                                                        |                                                                                    |                                                                                |
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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 ABOVE

FINISH: SEE ABOVE

S/AREA: mm<sup>2</sup>

## TITLE:

DATAMATE DIL CRIMP LATCH  
PLUG ASSEMBLY (6+6)

DRAWING NUMBER:

M80C108370C

SHT  
1 OF 1