

## 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)

\* 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 QI-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

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:			

APPROVED: *[Signature]*CHECKED: *[Signature]*

DRAWN: JM BROOKES

CUSTOMER REF.:

ASSEMBLY DRG:

# HARWIN

HARWIN USA  
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mis@harwin.com

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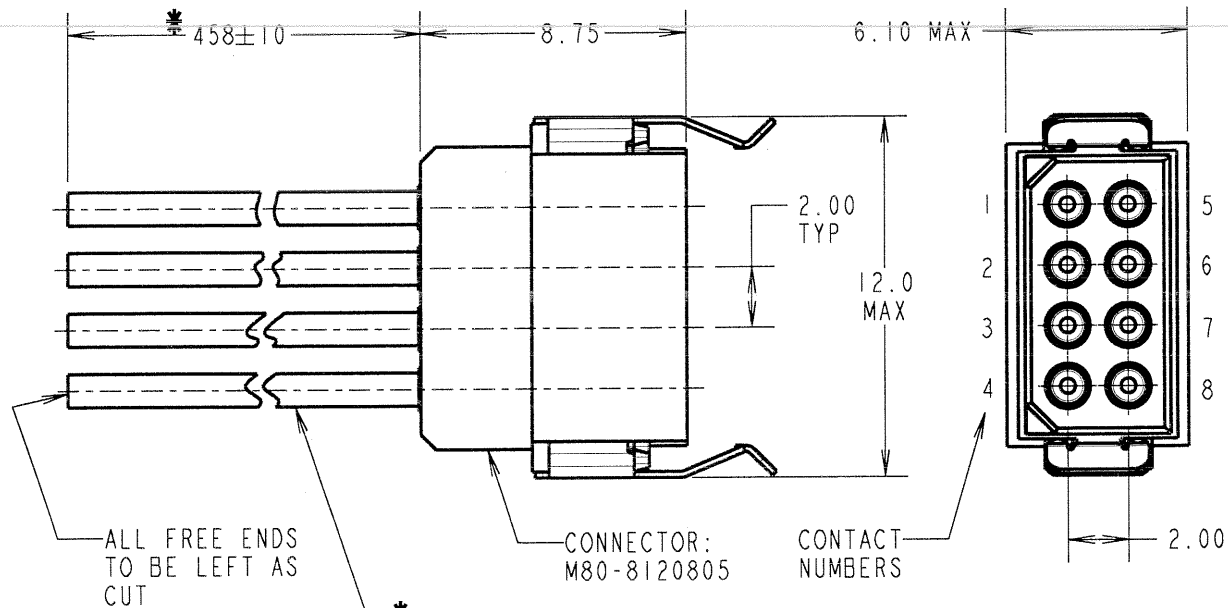
TOLERANCES  
X. = ±1mm  
X.X = ±0.25mm  
X.XX = ±0.10mm  
X.XXX = ±0.01mm  
ANGLES = ±5°  
UNLESS STATED

MATERIAL: SEE ABOVE  
FINISH: SEE ABOVE  
S/AREA: mm<sup>2</sup>

TITLE:  
DATAMATE DIL CRIMP LATCH  
PLUG ASSEMBLY (2+2)

DRAWING NUMBER:  
**M80C108367C**

SHT  
1 OF 1



## SPECIFICATIONS:

## MATERIAL:

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

CLIP = BERYLLIUM COPPER

SHELL = BRASS

## FINISH:

CONTACTS = 0.25 $\mu$ -0.30 $\mu$  GOLDLATCH = 1.25 $\mu$  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)

ALL FREE ENDS  
TO BE LEFT AS  
CUT\* 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.

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: <i>[Signature]</i>			
CHECKED: <i>[Signature]</i>			
DRAWN: JM BROOKES			
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 ABOVE

## FINISH:

SEE ABOVE

## S/AREA:

mm<sup>2</sup>

## TITLE:

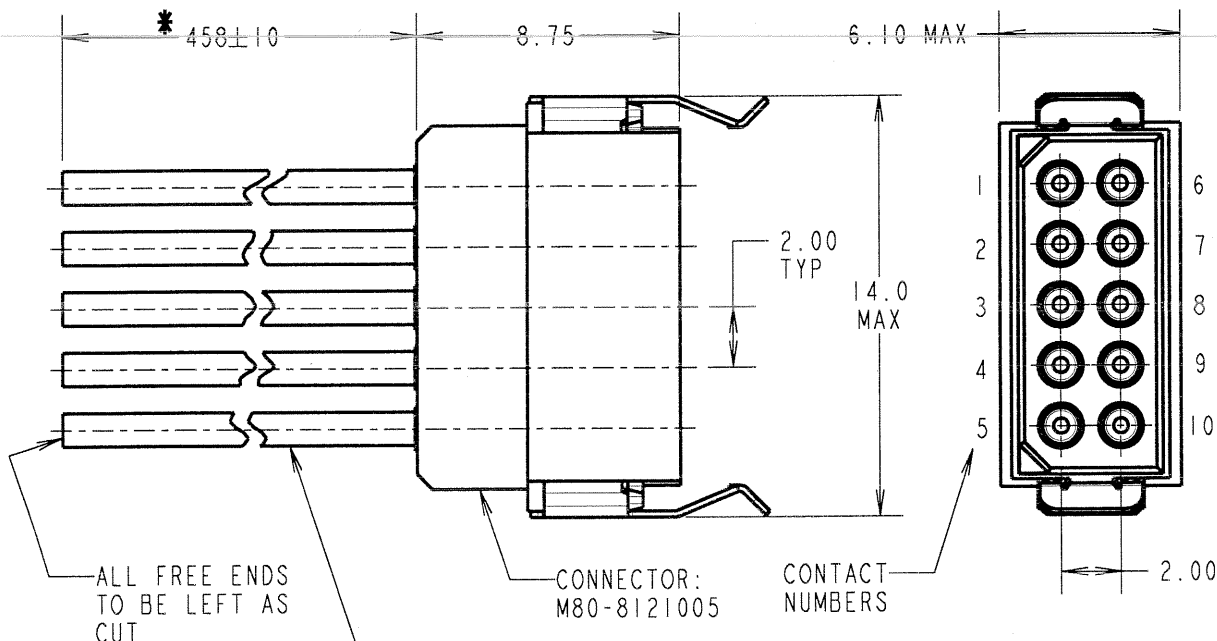
DATAMATE DIL CRIMP LATCH  
PLUG ASSEMBLY (4+4)

## 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

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

NAME	ISS.	DATE	C/NOTE
JMB	2	16.03.06	9095
JMB	1	30.01.06	----
JMB	A	16.01.06	----
APPROVED: <i>[Signature]</i>			
CHECKED: <i>[Signature]</i>			
DRAWN: JM BROOKES			
CUSTOMER REF.:			
ASSEMBLY DRG:			

- 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.



**HARWIN**

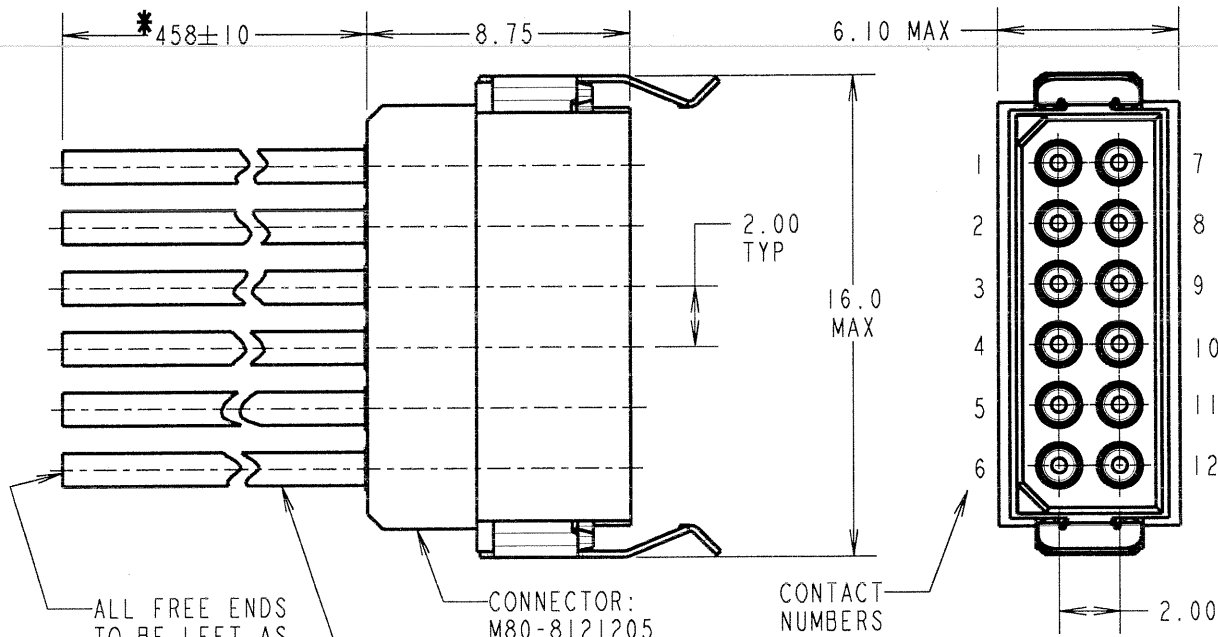
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MATERIAL: SEE ABOVE  
 FINISH: SEE ABOVE  
 S/AREA: mm<sup>2</sup>

TITLE: DATAMATE DIL CRIMP LATCH PLUG ASSEMBLY (5+5)  
 DRAWING NUMBER: **M80C108369C**  
 SHT 1 OF 1



SPECIFICATIONS:

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MECHANICAL:  
 DURABILITY = 500 OPERATIONS

ENVIRONMENTAL:  
 TEMPERATURE RANGE = -55°C TO +125°C

PACKING:  
 LOOSE  
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ALL FREE ENDS TO BE LEFT AS CUT

\* WIRES: 12-OFF STRANDED SILVER PLATED COPPER WITH EXTRUDED TEFLON INSULATION.  
 SPECIFICATION: MIL-W-16878/4BDE-X (X DENOTES COLOR)  
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 NOM. WALL THICKNESS: 0.010" (0.25mm)  
 NOM OUTSIDE DIAMETER: 0.041" (1.04mm)  
 VOLTAGE RATING: 600V  
 TEMP RANGE: -60°C TO +200°C

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

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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