

\* 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

SPECIFICATIONS:

MATERIAL:  
 MOULDING = GLASS-FILLED POLYESTER, UL94V-0, BLACK  
 CLIP = BERYLLIUM COPPER  
 SHELL = BRASS  
 FINISH:  
 CONTACTS: 0.30µ GOLD CLIP, 0.28µ GOLD SHELL  
 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  
 INSERTION FORCE (∅0.5mm GAUGE) = 2.8N MAX  
 WITHDRAWAL FORCE (∅0.5mm GAUGE) = 0.2N MIN  
 ENVIRONMENTAL:  
 TEMPERATURE RANGE = -55°C TO +125°C  
 PACKING:  
 LOOSE  
 FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE)

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

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:			

2

**HARWIN**

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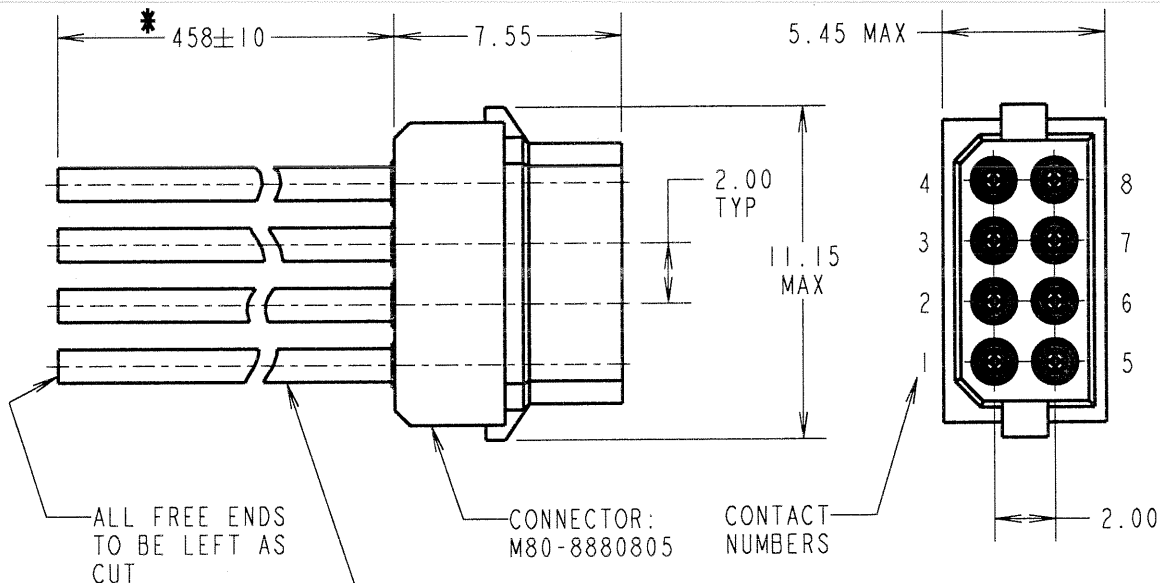
TOLERANCES  
 X. = ±1mm  
 X.X = ±0.25mm  
 X.XX = ±0.10mm  
 X.XXX = ±0.01mm  
 ANGLES = ±5°  
 UNLESS STATED

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

TITLE: DATAMATE DIL CRIMP SOCKET CABLE ASSEMBLY (2+2)

DRAWING NUMBER: M80C108371C

SHT 1 OF 1



ALL FREE ENDS TO BE LEFT AS CUT

CONNECTOR: M80-8880805

CONTACT NUMBERS

\* 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

SPECIFICATIONS:

MATERIAL:  
 MOULDING = GLASS-FILLED POLYESTER, UL94V-0, BLACK  
 CLIP = BERYLLIUM COPPER  
 SHELL = BRASS

FINISH:  
 CONTACTS: 0.30µ GOLD CLIP, 0.28µ GOLD SHELL

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  
 INSERTION FORCE (Ø0.5mm GAUGE) = 2.8N MAX  
 WITHDRAWAL FORCE (Ø0.5mm GAUGE) = 0.2N MIN

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

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.



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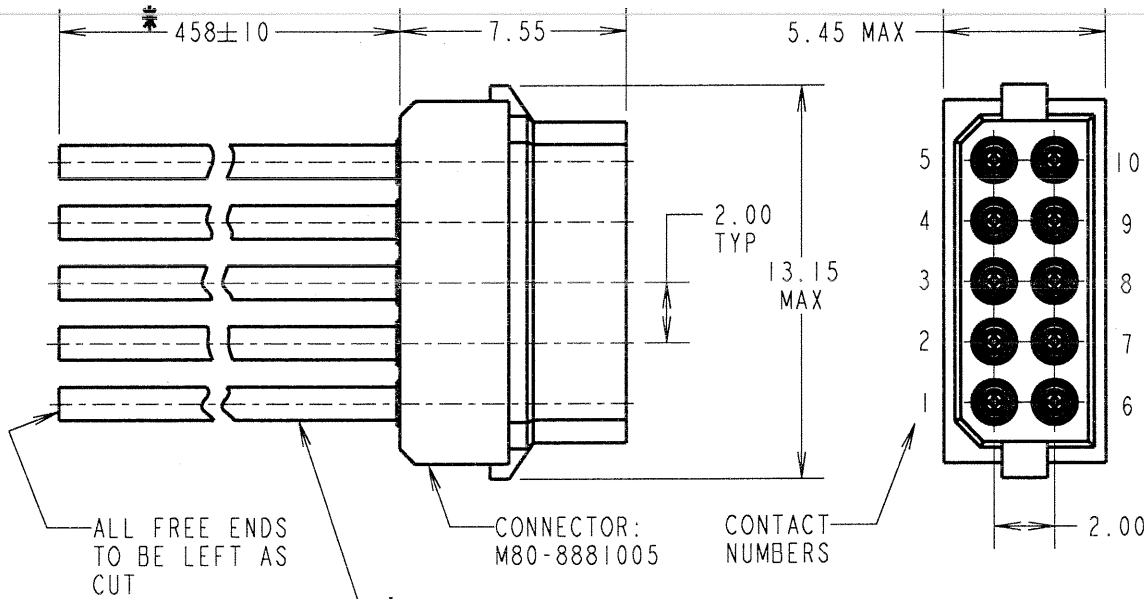
TOLERANCES  
 X. = ±1mm  
 X.X = ±0.25mm  
 X.XX = ±0.10mm  
 X.XXX = ±0.01mm  
 ANGLES = ±5°  
 UNLESS STATED

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

TITLE: DATAMATE DIL CRIMP SOCKET CABLE ASSEMBLY (4+4)

DRAWING NUMBER: M80C108372C

SHT 1 OF 1



SPECIFICATIONS:

MATERIAL:  
 MOULDING = GLASS-FILLED POLYESTER, UL94V-0, BLACK  
 CLIP = BERYLLIUM COPPER  
 SHELL = BRASS

FINISH:  
 CONTACTS:  $0.30\mu$  GOLD CLIP,  $0.28\mu$  GOLD SHELL

ELECTRICAL:  
 CURRENT RATING AT  $25^\circ\text{C}$  = 3.0A MAX  
 CURRENT RATING AT  $85^\circ\text{C}$  = 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  
 INSERTION FORCE ( $\varnothing 0.5\text{mm}$  GAUGE) = 2.8N MAX  
 WITHDRAWAL FORCE ( $\varnothing 0.5\text{mm}$  GAUGE) = 0.2N MIN

ENVIRONMENTAL:  
 TEMPERATURE RANGE =  $-55^\circ\text{C}$  TO  $+125^\circ\text{C}$

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:  $-60^\circ\text{C}$  TO  $+200^\circ\text{C}$

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

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

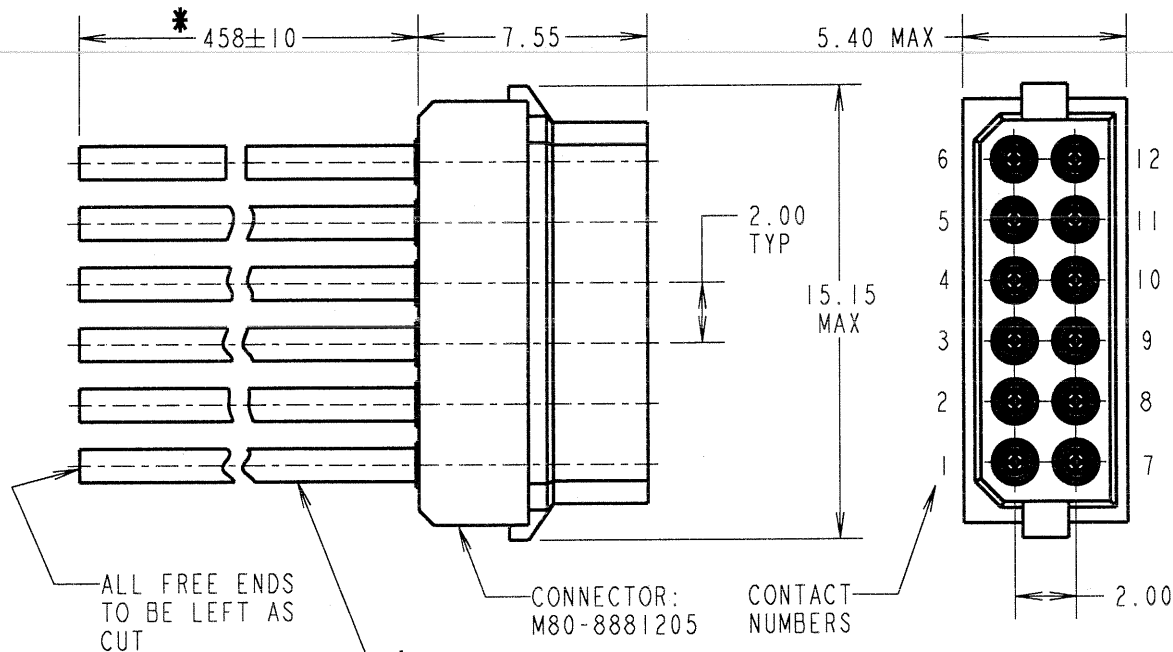
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TOLERANCES  
 X. =  $\pm 1\text{mm}$   
 X.X =  $\pm 0.25\text{mm}$   
 X.XX =  $\pm 0.10\text{mm}$   
 X.XXX =  $\pm 0.01\text{mm}$   
 ANGLES =  $\pm 5^\circ$   
 UNLESS STATED

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

TITLE: DATAMATE DIL CRIMP SOCKET CABLE ASSEMBLY (5+5)  
 DRAWING NUMBER: M80C108373C  
 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

## SPECIFICATIONS:

MATERIAL:  
MOULDING = GLASS-FILLED POLYESTER, UL94V-0, BLACK  
CLIP = BERYLLIUM COPPER  
SHELL = BRASS

## FINISH:

CONTACTS: 0.30µ GOLD CLIP, 0.28µ GOLD SHELL

## 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

INSERTION FORCE (∅0.5mm GAUGE) = 2.8N MAX

WITHDRAWAL FORCE (∅0.5mm GAUGE) = 0.2N MIN

## 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

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DRAWN: JM BROOKES			
CUSTOMER REF.:			
ASSEMBLY DRG:			

## 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
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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 SOCKET  
CABLE ASSEMBLY (6+6)

DRAWING NUMBER:  
**M80C108374C**

SHT  
1 OF 1