

EXPLODED ISOMETRIC OF DOOR ASSEMBLY
SCALE 0.500

LINK FITTED TO LAST BOARD.
ALL OTHER DISPLAY BOARDS TO
HAVE LINK REMOVED.

INSTRUCTIONS:
1. THE LAST DISPLAY BOARD IN THE CHAIN (I.E. FURTHEST FROM THE MAIN BOARD)
MUST HAVE LK1 FITTED AS IT PROVIDES FEEDBACK TO THE PROCESSOR. ALL OTHER
PCBS MUST HAVE THIS LINK REMOVED.

2. FIT THE DISPLAY BOARDS TO THE DOOR.
3. CONNECT CABLING.

MX4428 TO FIRST DISPLAY BOARD:
CONNECT THE FRC FROM THE MX4428 MAIN BOARD (J6) TO J1 (LABELLED "FROM
PREVIOUS") ON THE FIRST DISPLAY BOARD.

F3200 TO FIRST DISPLAY BOARD:
CONNECT LM0092 FROM F3200 CONTROLLER (J13, 34 WAY) TO J1 (LABELLED "FROM
PREVIOUS") ON THE FIRST DISPLAY BOARD.

FROM FIRST DISPLAY BOARD TO SUBSEQUENT DISPLAY BOARDS: CONNECT FROM J2
(LABELLED "TO NEXT") ON FIRST DISPLAY BOARD TO J1 (LABELLED "FROM PREVIOUS")
ON SECOND DISPLAY BOARD. REPEAT UNTIL ALL DISPLAY BOARDS ARE CONNECTED
IN SERIES.

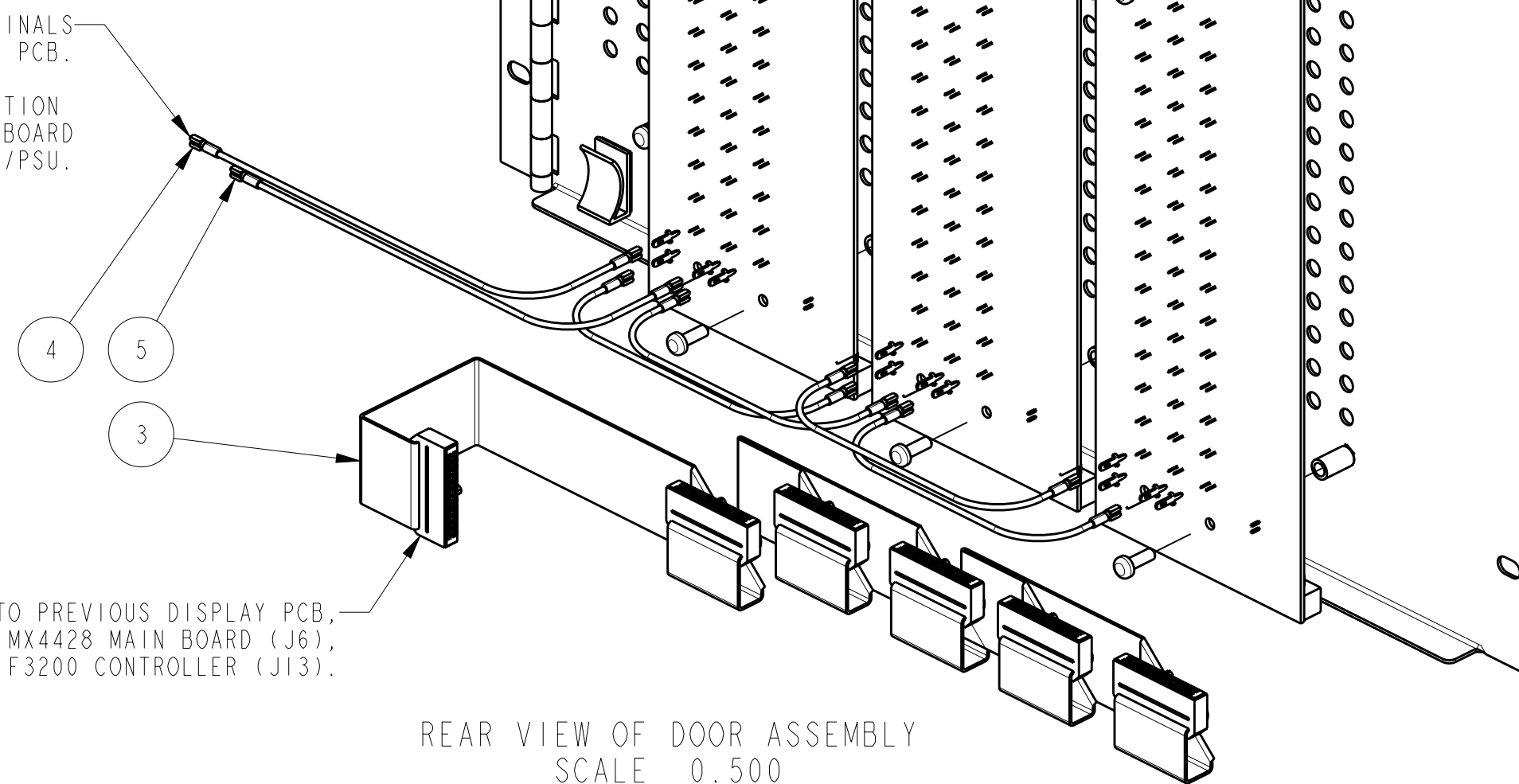
4. THE FIP WILL NOW NEED TO BE RE-CONFIGURED.
5. FOR POWER WIRING CONNECT BUSSED +VEXT AND OVEXT ON DISPLAY BOARDS TO:
MX4428: THE MX4428 MAIN BOARD USING "DISPLAY POWER" (J42) TABS +VEXT
AND OVEXT.

F3200: THE F3200 MAF/PSU BOARD USING "LED DISPLAY POWER" (J15/1 AND J15/2)
+VBF2 AND OV TABS.

IN THE SYSTEMS THAT USE MIMIC OUTPUTS, IT IS RECOMMENDED THAT EVERY
DISPLAY BOARD HAS LK2 SNIPPED OUT AND THE EXT. POWER TERMINALS
(+VEXT & OVEXT) BE BUSSED FROM THE DISPLAY POWER TABS.

TO +V EXT AND OV EXT TERMINALS
ON THE PREVIOUS DISPLAY PCB.

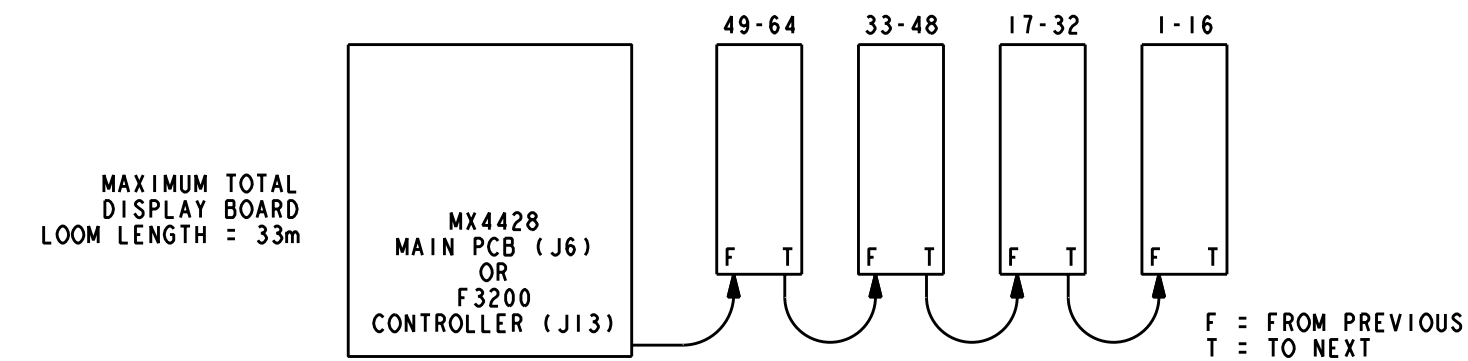
SEE NOTE 6 FOR CONNECTION
TO MX4428 MAIN BOARD
OR F3200 MAF/PSU.



REAR VIEW OF DOOR ASSEMBLY
SCALE 0.500

CONNECT TO PREVIOUS DISPLAY PCB,
OR MX4428 MAIN BOARD (J6),
OR F3200 CONTROLLER (J13).

ITEM	PART NO.	QTY	DESCRIPTION
1	FA1187	1	FAB, 1901-75, F4000, RACK MTG EXT INNER DOOR (P)
2	LB0298	3	LABEL, 1901-13, F4000, ZONE NAMING
3	LM0046	1	LOOM, FRC, 26W, STYLE B, 500mm
4	LM0089	1	LOOM, 1901-26, AUTO, 2.3 RECP TO 2.3 RECP, 500mm, RED
5	LM0090	1	LOOM, 1901-26, AUTO, 2.3 RECP TO 2.3 RECP, 500mm, BLACK
6	PA0454	3	PCB ASSY, 1901-25-1, F4000, DISPLAY 24V
7	SC0198	8	SCREW, MACHINE, PH PHIL, M4 X 12mm, NYLON



NOTE ORDER IN WHICH ZONES ARE DISPLAYED

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ON TO ANY THIRD PARTY WITHOUT THE CONSENT OF THE COMPANY.

UNLESS OTHERWISE STATED: ALL DIMENSIONS IN MILLIMETRES. DO NOT SCALE. TOLERANCES ARE TO BE:
1 DECIMAL PLACE ± 0.5 , 2 DECIMAL PLACES ± 0.3 , 3 DECIMAL PLACES ± 0.1

3rd ANGLE
PROJECTION

ISS/REV	AMENDMENTS	ECO	DRN	CHKD	AUTH	APVD	DATE
D	SHEET 1 ADDED. OLD AUTO CAD DRG SHEET MADE SHEET 2.	3917	KJS	GEL	LSC	DP	20-03-08

tyco / **Safety Products**

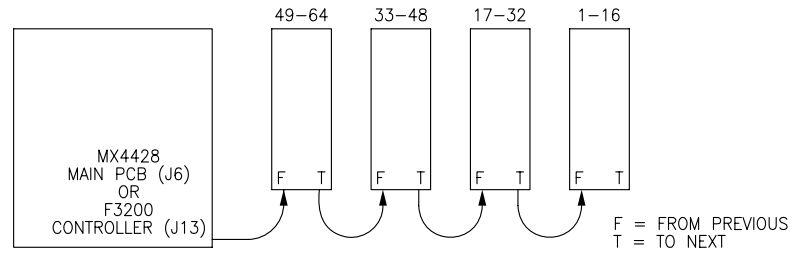
TYCO SAFETY PRODUCTS
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NEW ZEALAND. FAX: +64 3 3895938

**MX4428
DISPLAY EXTENDER KIT
MECHANICAL ASSEMBLY**

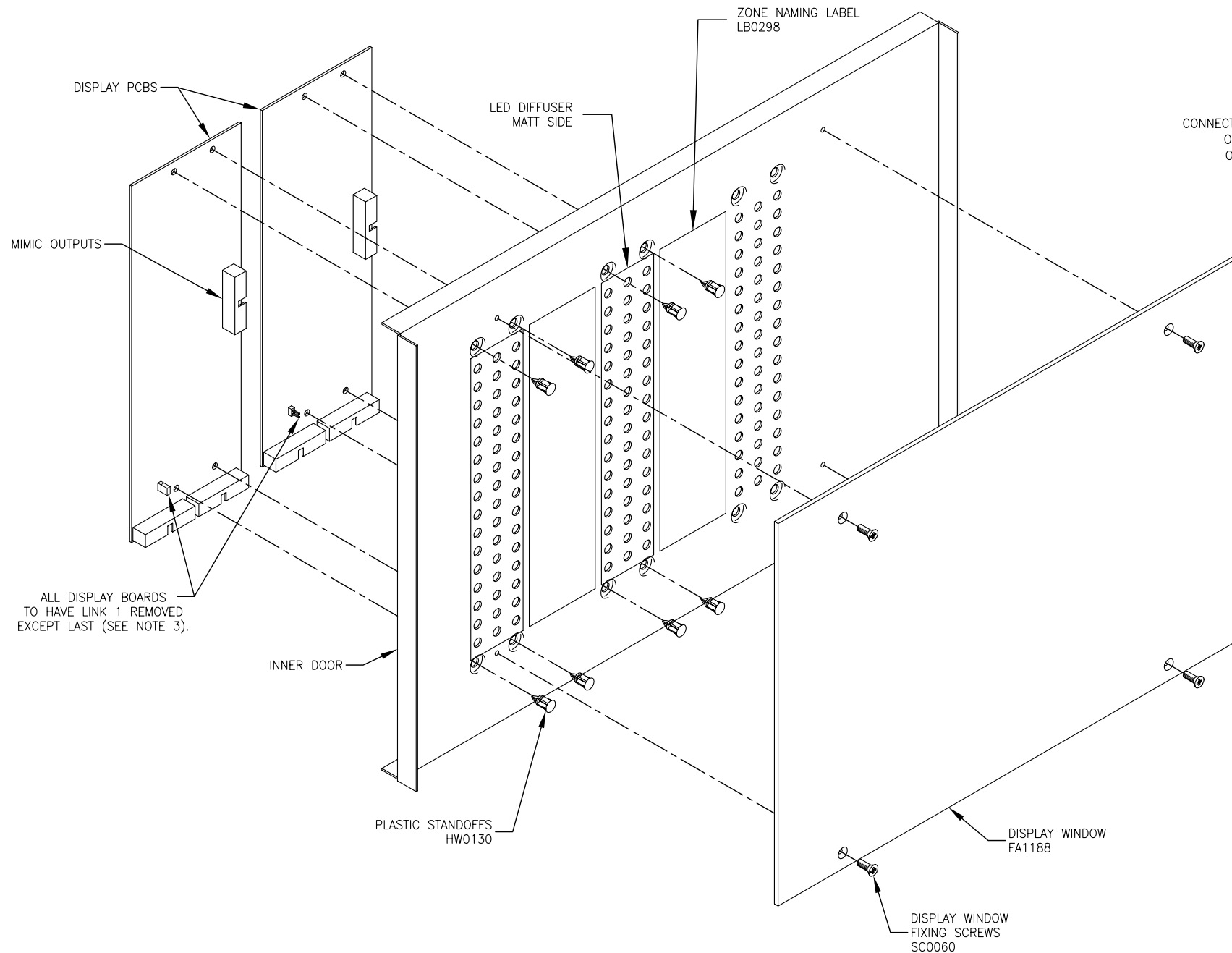
DRAWING No: 1901-27 SHEET 1 of 2

A2 ISS/REV D PART No: LT0058

MAXIMUM TOTAL
DISPLAY BOARD
LOOM LENGTH = 33m



NOTE ORDER IN WHICH ZONES ARE DISPLAYED



ALL DISPLAY BOARDS
TO HAVE LINK 1 REMOVED
EXCEPT LAST (SEE NOTE 3).

NOTE: ZONE 1 IS AT THE TOP OF THE LAST DISPLAY BOARD IN THE SERIES. ALL OTHER ZONES ARE NUMBERED BACK FROM THERE.

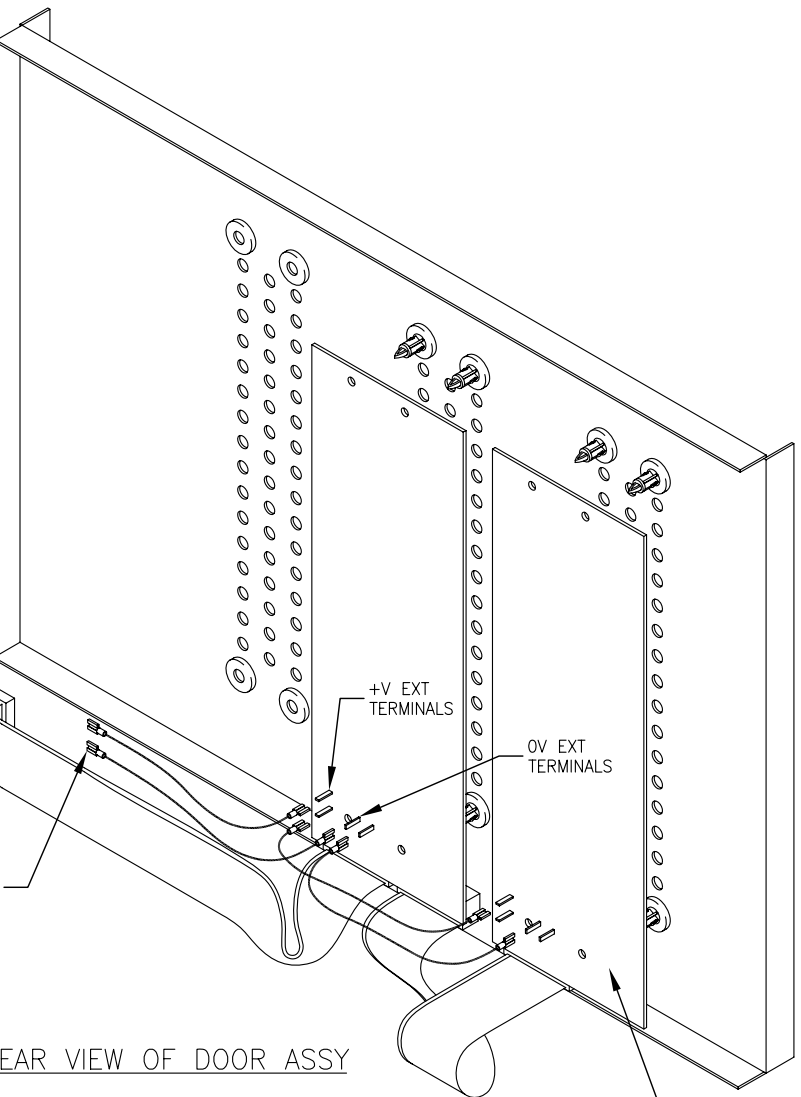
EXPLODED ISOMETRIC OF DOOR ASSY

CONNECT TO PREVIOUS DISPLAY PCB,
OR MX4428 MAIN BOARD (J6),
OR F3200 CONTROLLER (J13).

TO +V EXT AND OV EXT TERMINALS
ON THE PREVIOUS DISPLAY PCB.

SEE NOTE 8 FOR CONNECTION
TO MX4428 MAIN BOARD
OR F3200 MAF/PSU.

REAR VIEW OF DOOR ASSY



INSTRUCTIONS:

1. REMOVE DISPLAY WINDOW (4 POZI DRIVE SCREWS).
2. FIT 4 PLASTIC STAND-OFFS INTO THE DIMPLED HOLES JUST ABOVE AND JUST BELOW THE DISPLAY AREA.
3. THE LAST DISPLAY BOARD IN THE CHAIN (I.E. FURTHEST FROM THE MAIN BOARD) MUST HAVE LK1 FITTED AS IT PROVIDES FEEDBACK TO THE PROCESSOR. ALL OTHER PCBs MUST HAVE THIS LINK REMOVED.
4. FIT THE DISPLAY BOARDS TO THE DOOR.
5. CONNECT CABLING

MX4428 TO FIRST DISPLAY BOARD:
CONNECT THE FRC FROM THE MX4428 MAIN BOARD (J6) TO J1 (LABELLED "FROM PREVIOUS") ON THE FIRST DISPLAY BOARD.

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FROM FIRST DISPLAY BOARD TO SUBSEQUENT DISPLAY BOARDS:
CONNECT FROM J2 (LABELLED "TO NEXT") ON FIRST DISPLAY BOARD TO J1 (LABELLED "FROM PREVIOUS") ON SECOND DISPLAY BOARD.
REPEAT UNTIL ALL DISPLAY BOARDS ARE CONNECTED IN SERIES.

6. WITH STICKY TAPE, FIT THE LED DIFFUSER, MATT SIDE FACING OUT, TO THE FRONT OF THE INNER DOOR OVER THE LED VIEWING AREA. STICK THE ZONE NAMING LABEL OVER THE ZONE NAMING AREA.

7. THE FIP WILL NOW NEED TO BE RE-CONFIGURED.

8. FOR POWER WIRING CONNECT BUSSED +VEXT AND OVEXT ON DISPLAY BOARDS TO:

MX4428: THE MX4428 MAIN BOARD USING "DISPLAY POWER" (J42) TABS +VEXT AND OVEXT.

F3200: THE F3200 MAF/PSU BOARD USING "LED DISPLAY POWER" (J15/1 AND J15/2) +VBF2 AND OV TABS.

IN THE SYSTEMS THAT USE MIMIC OUTPUTS, IT IS RECOMMENDED THAT EVERY DISPLAY BOARD HAS LK2 SNIPPED OUT AND THE EXT. POWER TERMINALS (+VEXT & OVEXT) BE BUSSED FROM THE DISPLAY POWER TABS.

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3rd ANGLE PROJECTION

ISS/REV	AMENDMENTS	ECO	DRN	CHKD	AUTH	APVD	DATE
D	SHEET 1 MADE INTO SHEET 2, SHEET 1 ADDED.	3917	KJS	GEL	LSC	DP	25-3-08

tyco Safety Products

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MX4428 (OLD STYLE F4000)
DISPLAY EXTENDER KIT
INSTALLATION INSTRUCTIONS

DRAWING No: 1901-27 SHEET 2 of 2

A1 ISS/REV D PART No: LT0058