



TRAVELER S-11

**NOTE: This is a Batch traveler**

**SHIELD WIRE MOUNT, LEFT - Q.A. CHECK**

SHIELD WIRE MOUNT LEFT, INNER SECTOR, dwg # 24A3984

amount: \_\_\_\_\_ each

SHIELD WIRE MOUNT LEFT, OUTER SECTOR, dwg #24A3884

amount: \_\_\_\_\_ each

J.O.#: \_\_\_\_\_

J.O. date: \_\_\_\_/\_\_\_\_/199\_\_\_\_

**After answering each of the following questions please initial your name.**

**CERTIFICATION CONFIRMATION**

1. Does each part in this batch conform to the dimensions and tolerances of it's drawing, as verified by the LBL inspection department and STAR lead tech. John Wirth?.

Yes \_\_ , No \_\_

IF THE ANSWER TO QUESTION 1 ABOVE IS NO BAG AND TAG BOARDS with **"NO CERTIFICATION"** AND NOTIFY COGNIZANT ENGINEER.

**VISUAL INSPECTION**

2. When resting on table is the distance from board surface to table less than 0.060 inches?

Yes \_\_ , No \_\_

**CLEANING**

3. Have parts been cleaned in accordance with STAR cleaning method?  
(wash with Diversey 909 detergent, rinse with deionized water, blow dry with dry nitrogen gas, and wrapped with lint free paper and aluminum foil)

Yes \_\_ , No \_\_

**INSTRUCTIONS** \_\_\_\_\_

If any item (2 - 3) is marked **NO**, tag the board "**REJECTED**" and mark below and place items in "reject" storage. If items 2 - 3 are all marked **YES**, attach this inspection record and place the board in "pre-assembly storage".

**PASSED** \_\_\_\_\_

**REJECTED** \_\_\_\_\_

Inspector's signature \_\_\_\_\_ Inspection date: \_\_/\_\_/199\_\_



## TRAVELER S-12

**NOTE: This is a Batch traveler**

### GATED GRID WIRE MOUNT, RIGHT - Q.A. CHECK

GATED GRID WIRE MOUNT, RIGHT, INNER SECTOR, dwg # 24A4004  
amount: \_\_\_\_\_ each

GATED GRID WIRE MOUNT, RIGHT, OUTER SECTOR, dwg #24A3914  
amount: \_\_\_\_\_ each

J.O.#: \_\_\_\_\_

J.O. date: \_\_\_\_/\_\_\_\_/199\_\_\_\_

**After answering each of the following questions please initial your name.**

### CERTIFICATION CONFIRMATION

1. Does each part in this batch conform to the dimensions and tolerances of it's drawing, as verified by the LBL inspection department?

Yes \_\_ , No \_\_

IF THE ANSWER TO QUESTION 1 ABOVE IS NO BAG AND TAG BOARDS with "**NO CERTIFICATION**" AND NOTIFY COGNIZANT ENGINEER.

### VISUAL INSPECTION

2. When resting on table is the distance from board surface to table less than 0.060 inches?

Yes \_\_ , No \_\_

### CLEANING

3. Have parts been cleaned in accordance with STAR cleaning method?  
(wash with Diversey 909 detergent, rinse with deionized water, blow dry with dry nitrogen gas, and wrapped with lint free paper and aluminum foil)

Yes \_\_ , No \_\_

**INSTRUCTIONS** \_\_\_\_\_

If any item (2 - 3) is marked **NO**, tag the board "**REJECTED**" and mark such below and place item(s) in "reject" storage. If items 2 - 3 are all marked **YES**, attach this inspection record and place the board in "pre-assembly storage".

**PASSED** \_\_\_\_\_

**REJECTED** \_\_\_\_\_

Inspector's signature \_\_\_\_\_ Inspection date: \_\_/\_\_/199\_\_



TRAVELER S-14

**NOTE: This is a Batch traveler**

**SHIELD WIRE MOUNT PC BOARD, RIGHT- Q.A. CHECK**

SHIELD WIRE MOUNT PC BOARD, RIGHT, INNER SECTOR, dwg # 24A4501

amount: \_\_\_\_\_ each

SHIELD WIRE MOUNT PC BOARD, RIGHT, OUTER SECTOR, dwg #24A1091A

amount: \_\_\_\_\_ each

P.O.# \_\_\_\_\_

P.O. date: \_\_\_\_/\_\_\_\_/199\_\_\_\_

**After answering each of the following questions please initial your name.**

**OUTER SECTOR BOARD CERTIFICATION CONFIRMATION**

1. OUTER SECTOR only: Is the substrate material (NEMA G-10) certified to contain bromide below 200 ppm? Yes \_\_, No \_\_  
NEMA G\_10 Purchase Order # :\_(LBL) \_\_\_\_\_  
Name of Testing Lab: \_\_\_\_\_  
Test Certificate #: \_\_\_\_\_

**IF THE ANSWER TO QUESTION ABOVE IS NO BAG AND TAG BOARDS with "REJECTED-BROMIDE" AND NOTIFY COGNIZANT ENGINEER.**

**VISUAL INSPECTION**

2. Is there any measling, haloing, exposed fibers and/or delaminations exceeding ANSI/IPC-A-600D Class 3 limits? Yes \_\_, No \_\_
3. Is there any uneven or incomplete etching (use magnifying glass to examine it)? Yes \_\_, No \_\_

- 4. Are any of the traces damaged? Yes \_\_, No \_\_
- 5. When resting on table is the distance from board surface to table more than 0.25 inches? Yes \_\_, No \_\_
- 6. Does the edge of the board have gouges from improper routing? Yes \_\_, No \_\_
- 7. Are all the plated vias through the board? Yes \_\_, No \_\_
- 8. Are there any void in plated through vias? Yes \_\_, No \_\_

IF THE ANSWER TO ANY QUESTION ABOVE IS **YES** BAG AND TAG BOARDS with **"REJECTED-VISUAL"** AND NOTIFY COGNIZANT ENGINEER.

**DIMENSIONAL INSPECTION**

- 9. MEASURE all Boards:  
Do all Boards conform to their Dimensions and Tolerances shown on the appropriate drawing?  
(Shield wire mount PC Board/right/ inner sector: dwg#24A4501)  
(Shield wire mount PC Board/right/inner sector: dwg#24A1091A) Yes \_\_, No \_\_

**INSTRUCTIONS**

If item 9 is marked **NO**, tag the board "**REJECTED**" and mark such below and place item(s) in "reject" storage. If item 9 is marked **YES**, attach this inspection record and place the board in "to-be-cleaned storage".

PASSED \_\_\_\_\_ REJECTED \_\_\_\_\_

Inspector's signature \_\_\_\_\_ Inspection date: \_\_/\_\_/199\_\_



TRAVELER S-15

**NOTE: This is a Batch traveler**

**SHIELD WIRE MOUNT INSULATOR BOARD, LEFT- Q.A. CHECK**

SHIELD WIRE MOUNT INSULATOR BOARD, LEFT, INNER SECTOR,  
dwg # 24A4032-1

amount: \_\_\_\_\_ each

SHIELD WIRE MOUNT INSULATOR BOARD, LEFT, OUTER SECTOR,  
dwg #24A3832-1

amount: \_\_\_\_\_ each

P.O.# \_\_\_\_\_

P.O. date: \_\_\_\_/\_\_\_\_/199\_\_\_\_

**After answering each of the questions please initial your name.**

**OUTER SECTOR BOARD CERTIFICATION CONFIRMATION**

1. OUTER SECTOR only: Is the substrate material (NEMA G-10) certified to contain bromide below 200 ppm? Yes \_\_, No \_\_  
 NEMA G\_10 Purchase Order # :\_(LBL) \_\_\_\_\_  
 Name of Testing Lab: \_\_\_\_\_  
 Test Certificate #: \_\_\_\_\_

IF THE ANSWER TO QUESTION ABOVE IS **NO** BAG AND TAG BOARDS with **"REJECTED-BROMIDE"** AND NOTIFY COGNIZANT ENGINNEER.

**VISUAL INSPECTION**

2. Is there measling, haloing, exposed fibers and/or delaminations exceeding ANSI/IPC-A-600D Class 3 limits? Yes \_\_, No \_\_
3. When resting on table is the distance from board surface to table more than 0.25 inches? Yes \_\_, No \_\_

4. Does the edge of the board have gouges from improper routing? Yes \_\_, No \_\_

IF THE ANSWER TO ANY QUESTION ABOVE IS **YES**, BAG AND TAG  
BOARDS with **"REJECTED-VISUAL"** AND NOTIFY  
COGNIZANT ENGINEER.

**DIMENSIONAL INSPECTION**

5. Board Dimensions are:

INNER SECTOR  
LENGTH: 28.100±.005  
WIDTH: .140±.005  
THICKNESS: .033±.001

OUTER SECTOR  
LENGTH: 28.365±.005  
WIDTH: .300±.005  
THICKNESS: .033±.001

MEASURE all Boards:  
Do all Boards conform to their Dimensions and Tolerances? Yes \_\_, No \_\_

Tag any Board that is out of Spec with **"REJECTED- DIMENSIONS"**

**INSTRUCTIONS**

Place all acceptable boards in a bag, attach this inspection record and place the boards in to-be-cleaned storage.

PASSED \_\_\_\_\_ REJECTED \_\_\_\_\_

Inspector's signature \_\_\_\_\_ Inspection date: \_\_/\_\_/199\_\_





TRAVELER S-16

**NOTE: This is a Batch traveler**

**GATED GRID WIRE MOUNT PC BOARD, RIGHT, DIMENSION, RESISTANCE, AND BROMINE CHECK**

GATED GRID WIRE MOUNT PC BOARD, RIGHT, INNER SECTOR  
dwg # 24A4501

amount: \_\_\_\_\_ each

GATED GRID WIRE MOUNT PC BOARD, RIGHT, OUTER SECTOR  
dwg #24A3531A

amount: \_\_\_\_\_ each

P.O.# \_\_\_\_\_

P.O. date: \_\_\_\_/\_\_\_\_/199\_\_\_\_

**After answering each of the following questions please initial your name.**

**SECTOR BOARD CERTIFICATION CONFIRMATION**

1. Is the substrate material (NEMA G-10) certified to contain bromide below 200 ppm. Yes \_\_, No \_\_  
 NEMA G\_10 Purchase Order # :\_(LBL) \_\_\_\_\_  
 Name of Testing Lab: \_\_\_\_\_  
 Test Certificate #: \_\_\_\_\_

IF THE ANSWER TO QUESTION ABOVE IS **NO** BAG AND TAG BOARDS with **"REJECTED-BROMIDE"** AND NOTIFY COGNIZANT ENGINNEER.

**VISUAL INSPECTION**

2. Is there any measling, haloing, exposed fibers and/or delaminations exceeding ANSI/IPC-A-600D Class 3 limits? Yes \_\_, No \_\_
3. Is there any uneven or incomplete etching (use magifying glass)? Yes \_\_, No \_\_

4. When resting on table is the distance from board surface to table more than 0.25 inches? Yes \_\_, No \_\_
5. Does the edge of the board have gouges from improper routing? Yes \_\_, No \_\_

IF THE ANSWER TO ANY QUESTION ABOVE IS **YES** BAG AND TAG BOARDS with **"REJECTED-VISUAL"** AND NOTIFY COGNIZANT ENGINEER.

**DIMENSIONAL INSPECTION**

6. MEASURE all Boards:  
 Do all Boards conform to their Dimensions and Tolerances shown on the appropriate drawing?  
 (Gated grid wire mount PC board, right, inner sector: dwg#24A4501)  
 (Gated grid wire mount PC board, right, outer sector: dwg#24A3531A)
- Yes \_\_, No \_\_

Tag any Board that is out of Spec with **"REJECTED- DIMENSIONS"**

**INSTRUCTIONS**

Place all acceptable boards in a bag, attach this inspection record and place the boards in "to-be-cleaned storage".

**PASSED** \_\_\_\_\_ **REJECTED** \_\_\_\_\_

Inspector's signature \_\_\_\_\_ Inspection date: \_\_/\_\_/199\_\_



## TRAVELER S-17

**NOTE: This is a Batch traveler**

### GATED GRID WIRE MOUNT INSULATOR BOARD, LEFT, DIMENSION, AND BROMINE CHECK

GATED GRID WIRE MOUNT INSULATOR BOARD, LEFT, INNER SECTOR  
dwg # 24A4032-2

(ref.minmum count 26 unit)

amount: \_\_\_\_\_ each

GATED GRID WIRE MOUNT INSULATOR BOARD, LEFT, OUTER SECTOR  
dwg # 24A3832-2

(ref.minmum count 26 unit)

amount: \_\_\_\_\_ each

P.O.# \_\_\_\_\_

P.O. date: \_\_\_\_/\_\_\_\_/199\_\_\_\_

**After answering each of the following questions please initial your name.**

### BOARD CERTIFICATION CONFIRMATION

1. Is the substrate material (NEMA G-10) certified to contain bromide below 200 ppm?

Yes \_\_ , No \_\_

NEMA G\_10 Purchase Order # :\_(LBL) \_\_\_\_\_

Name of Testing Lab: \_\_\_\_\_

Test Certificate #: \_\_\_\_\_

**IF THE ANSWER TO QUESTION ABOVE IS NO, BAG AND TAG BOARDS with  
"REJECTED-BROMIDE" AND NOTIFY COGNIZANT ENGINEER.**

### VISUAL INSPECTION

2. Is there any measling, haloing, exposed fibers and/or delaminations exceeding ANSI/IPC-A-600D Class 3 limits?

Yes \_\_ , No \_\_

3. When resting on table is the distance from board surface to table more than 0.25 inches?

Yes \_\_ , No \_\_

4. Does the edge of the board have gouges from improper routing? Yes \_\_, No \_\_

IF THE ANSWER TO ANY QUESTION ABOVE IS **YES** BAG AND TAG BOARDS with **"REJECTED-VISUAL"** AND NOTIFY COGNIZANT ENGINEER.

### DIMENSIONAL INSPECTION

5. Board Dimensions are:

INNER SECTOR  
LENGTH: 28.100±.005  
WIDTH: .472±.005  
THICKNESS: .052±.001

OUTER SECTOR  
LENGTH: 28.365±.005  
WIDTH: .460±.005  
THICKNESS: .052±.001

MEASURE all Boards:

Do all Boards conform to their Dimensions and Tolerances shown on the appropriate drawing?

(Gated grid wire mount insulator board, left, inner sector: dwg#24A4032-2)

(Gated grid wire mount insulator board, left, outer sector: dwg#24A3832-2)

Yes \_\_, No \_\_

Tag any Board that is out of Spec with **"REJECTED- DIMENSIONS"**

### INSTRUCTIONS

Place all acceptable boards in a bag, attach this inspection record and place the boards in "to-be-cleaned storage".

PASSED \_\_\_\_\_

REJECTED \_\_\_\_\_

Inspector's signature \_\_\_\_\_ Inspection date: \_\_/\_\_/199\_\_