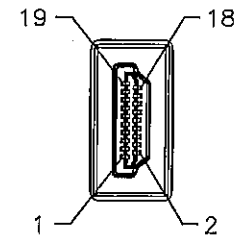
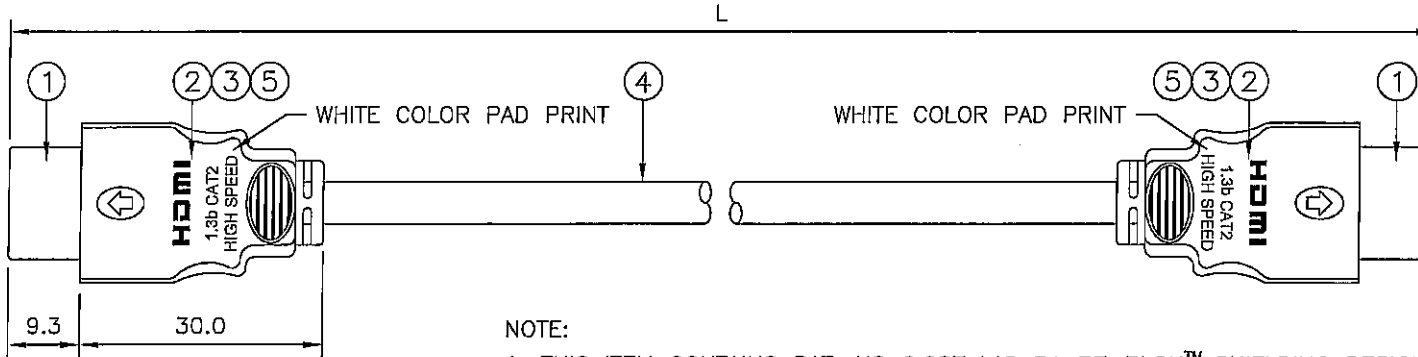
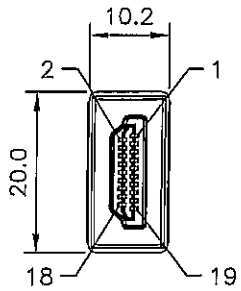
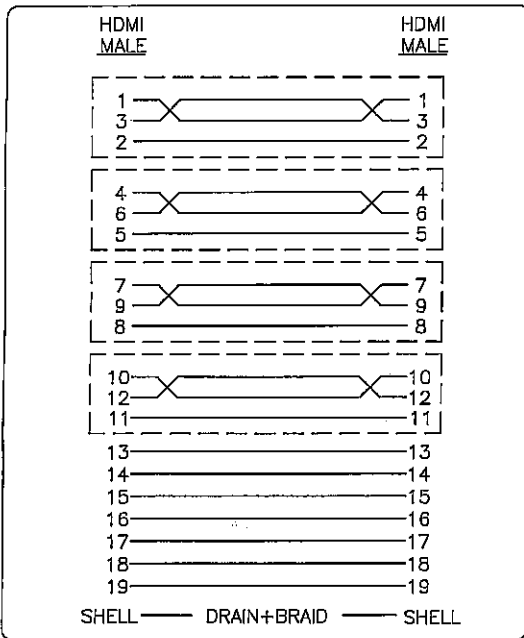


CUSTOMER'S APPROVAL: _____ DATE: _____
 FIRST ARTICLE SAMPLE REQUIRED: YES, NO.



PINOUT CONFIGURATION



NOTE:

- THIS ITEM CONTAINS PAT. US 6,287,148 B1 RF-BLOK™ SHIELDING DESIGN.
- WIRE MARKING: EXTREME DISTANCE SINGLE LINK CABLE
- THE **HA-LEVEL-1** SERIES HDMI CABLES, MAXIMUM HIGH SPEED PERFORMANCE WILL BE UP TO 5 METERS LENGTH.



P/N	L±(mm)
HDHA-L1-0.5M	500±50
HDHA-L1-0.75M	750±50
HDHA-L1-1M	1000±50
HDHA-L1-2M	2000±50
HDHA-L1-3M	3000±100
HDHA-L1-5M	5000±150

UNIT: mm

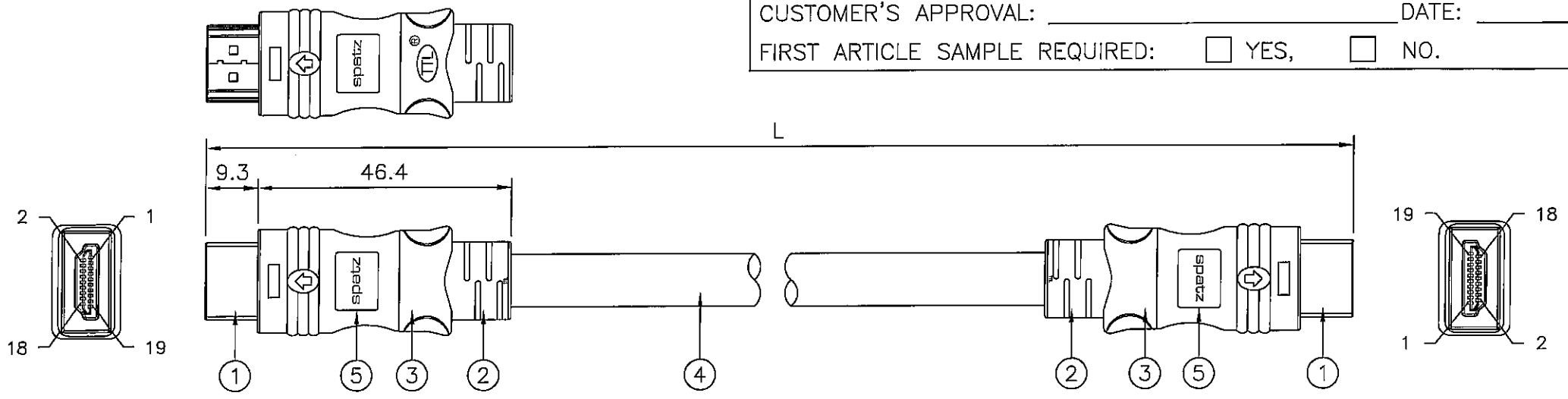
ITEM	DESCRIPTION	QTY.	UNIT
1	HDMI TYPE A 19PIN MALE CONNECTOR W/GOLD PLATED PINS AND SHELL UL94V-0	2	PCS.
2	BLACK MOLDED PVC HOOD W/1080P	2	PCS.
3	PAT. US 6,287,148 B1 RF-BLOK™ SHIELDING METAL CAN	2	PCS.
4	TTL HA-LEVEL-1 SERIES (100Ω SHIELDED TMD5 PAIRS)x4 +7C WIRES+AL-FOIL+DRAIN+BRAID; BLACK PVC JACKET	SEE	DWG.
5	WHITE COLOR PAD PRINT	2	PCS.

REV.	DESCRIPTION	REVISED DETAILS	DATE	REVISED BY
A	CHANGE WIRE MARKING, ADD 3/5M LENGTH		JAN.19.08	STANLEY

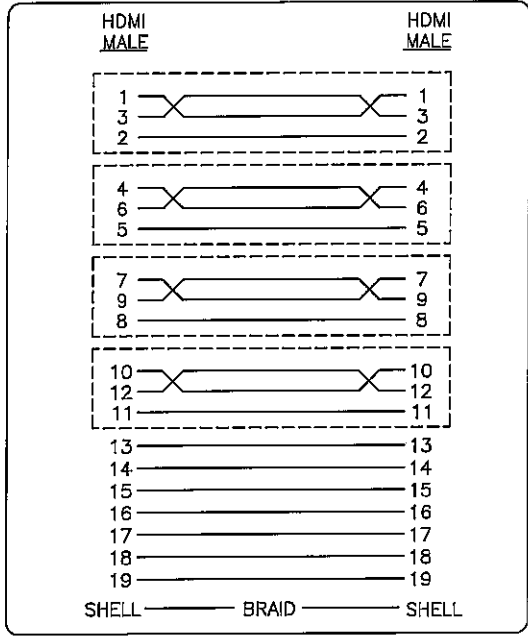
TTL's P/N:	Revision:
SEE TABLE	A
RFQ number:	Drawing #: 97061201
Drawn by: STANLEY	Scale: None
Checked by:	Date: 06/12/2008

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CUSTOMER'S APPROVAL: _____ DATE: _____
 FIRST ARTICLE SAMPLE REQUIRED: YES, NO.



PINOUT CONFIGURATION



THIS Hi-PQ™ SERIES WIRE SPEC CAN SUPPORTS THE ELECTRICAL PERFORMANCE ABOVE 5 METERS, AS HEREUNDER.

NOTE:

1. THIS ITEM CONTAINS PAT. US 6,287,148 B1 RF-BLOK™ SHIELDING DESIGN.
2. WIRE MARKING:

SPATZ EXTREME DISTANCE SINGLE LINK CABLE **SPATZ**

P/N	HDMI LOGO	L±(mm)
SP-HIPQ-A-7.5M	W/LOGO	7500±200
SP-HIPQ-A-10M	W/LOGO	10000±250
SP-HIPQ-A-15M	W/LOGO	15000±250
SP-HIPQ-A-20M	W/O LOGO	20000±250
SP-HIPQ-A-30M	W/O LOGO	30000±250

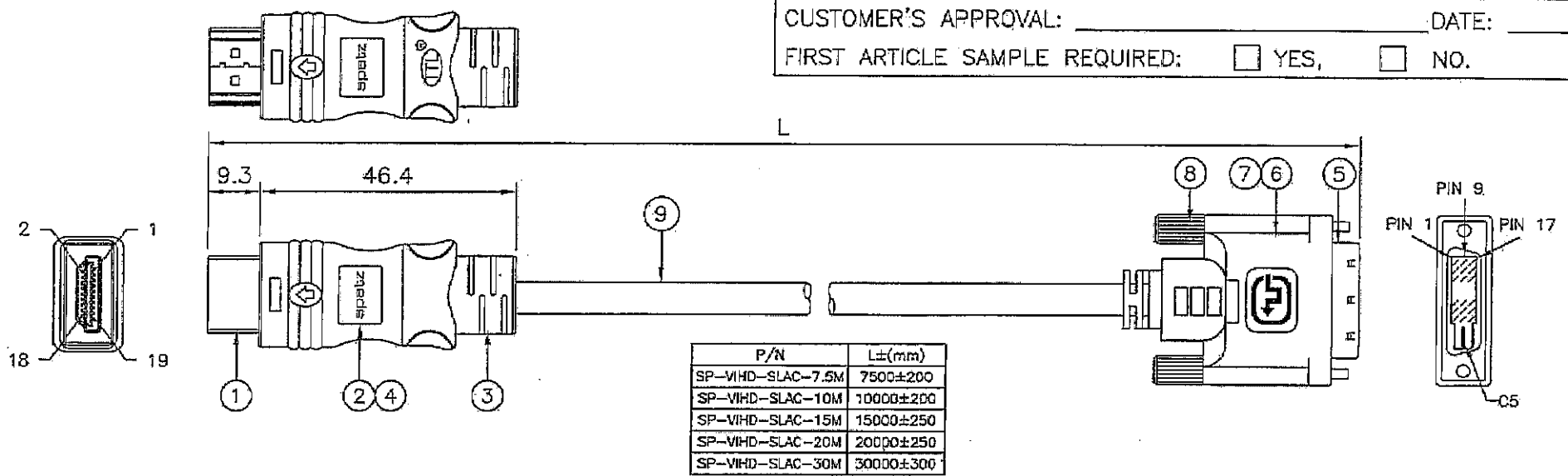
UNIT: mm

ITEM	DESCRIPTION	QTY.	UNIT
1	HDMI TYPE A 19PIN MALE CONNECTOR W/GOLD PLATED PINS, UL94V-0	2	PCS.
2	BLACK MOLDED PVC HOOD	2	PCS.
3	PAT. US 6,287,148 B1 RF-BLOK™ NICKEL PLATED SHIELDING METAL CAN	2	PCS.
4	(100Ω SHIELDED TWINSTED PAIRS)x4+7C WIRE; AL-FOIL+85% BRAID; BLACK PVC JACKET	SEE	DWG.
5	SPATZ LOGO STICKER	4	PCS.

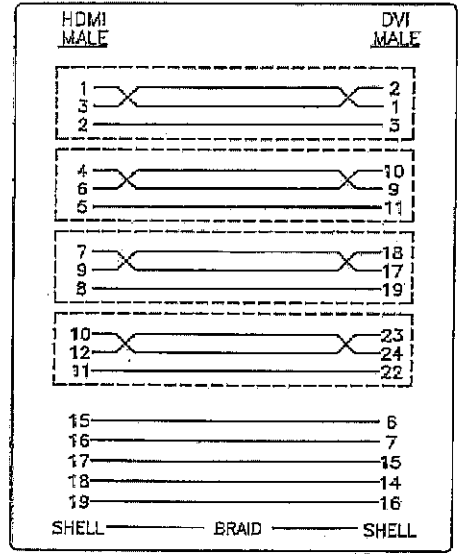
REVISED DETAILS		REVISED BY	Part number:	Revision:
REV.	DESCRIPTION	DATE	SEE TABLE	D
A	CHANGE GOLD PLATED SHELL TO NICKEL PLATED SHELL & LENGTH	FEB.12.07	RFQ number:	Drawing #: 96020802
B	ADD LENGTH 10M	APR.10.07	Drawn by: STANLEY	Scale: None
C	CHANGE WIRE MARKING	FEB.11.09	Checked by:	Date: 02/08/2007
D	ADD LENGTH 7.5M	APR.03.09		

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CUSTOMER'S APPROVAL: _____ DATE: _____
 FIRST ARTICLE SAMPLE REQUIRED: YES, NO.



PINOUT CONFIGURATION



THIS SLAC™ WIRE SPEC CAN SUPPORTS THE ELECTRICAL PERFORMANCE ABOVE 5 METERS, AS HEREUNDER.
 NOTE:

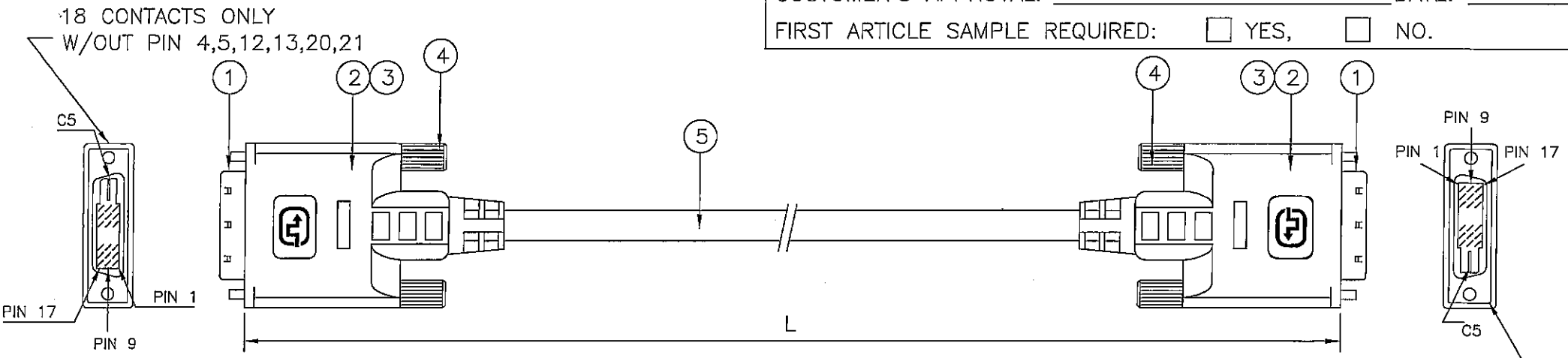
1. THIS ITEM CONTAINS PAT. US 6,287,148 B1 RF-BLOK™ SHIELDING DESIGN.
2. WIRE MARKING:
 (TTL)® E193793 RJ AWM 20276 80°C 30V VW-1 TOTAL TECHNOLOGIES. LTD.®
 DVI SINGLE LINK DIGITAL SUPER LOW ATTENUATION CABLE (SLAC™) UNIT: mm

ITEM	DESCRIPTION	QTY.	UNIT
1	HDMI TYPE A 19PIN MALE CONNECTOR W/GOLD PLATED PINS UL94V-0	1	PCS.
2	PAT. US 6,287,148 B1 RF-BLOK™ NICKEL PLATING SHIELDING METAL CAN	1	PCS.
3	BLACK MOLDED PVC HOOD	1	PCS.
4	SPATZ LOGO STICKER	2	PCS.
5	DVI MALE CONNECTOR W/18 CONTACTS ONLY (18+1)	1	PCS.
6	TRANSPARENT MOLDED PVC HOOD	1	PCS.
7	PAT. US 6,287,148 B1 RF-BLOK™ SHIELDING METAL CAN	1	PCS.
8	TRANSPARENT #4/40 THUMBSCREW	2	PCS.
9	(100Ω SHIELDED TWIN PAIRS)x4+5C WIRE+AL-FOIL+85% BRAID; BLACK PVC JACKET	SEE	DWG.

REVISED DETAILS			REVISED BY	Part number:	Revision:
REV.	DESCRIPTION	DATE		SEE TABLE	ORIG.
				RFQ number:	Drawing #: 96101902
				Drawn by: STANLEY	Scale: None
				Checked by:	Date: 10/19/2007

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CUSTOMER'S APPROVAL: _____ DATE: _____
 FIRST ARTICLE SAMPLE REQUIRED: YES, NO.



DVI MALE	DVI MALE
TMDS DATA 2- 1	1
TMDS DATA 2+ 2	2
TMDS DATA 2 SHIELD 3	3
DDC CLOCK 6	6
DDC DATA 7	7
TMDS DATA 1- 9	9
TMDS DATA 1+ 10	10
TMDS DATA 1 SHIELD 11	11
POWER +5V 14	14
GROUND 15 (+5V & HV SYNC.)	15
HOT PLUG DETECT 16	16
TMDS DATA 0- 17	17
TMDS DATA 0+ 18	18
TMDS DATA 0 SHIELD 19	19
TMDS CLOCK SHIELD 22	22
TMDS CLOCK+ 23	23
TMDS CLOCK- 24	24
SHELL	BRAID
	SHELL

NOTE:

- THIS ITEM CONTAINS PAT. NO:US 6,287,148 B1 RF-BLOK™ SHIELDING DESIGN
- WIRE MARKING:

spatz EXTREME DISTANCE SINGLE LINK CABLE **spatz**

18 CONTACTS ONLY
W/OUT PIN 4,5,12,13,20,21

P/N	L±(mm)
DVIMM-SLAC-5M	5000±150
DVIMM-SLAC-10M	10000±200
DVIMM-SLAC-15M	15000±250
DVIMM-SLAC-20M	20000±250
DVIMM-SLAC-30M	30000±300

UNITS:mm

ITEM	DESCRIPTION	QTY.	UNIT
1	DVI MALE CONNECTOR W/ 18 CONTACTS ONLY(18+1)	2	PCS
2	TRANSPARENT MOLDED PVC HOOD	2	PCS
3	PAT.US 6,287,148 B1 RF-BLOK™ SHIELDING METAL CAN	2	PCS
4	TRANSPARENT COLOR #4/40 THUMBSCREW	4	PCS
5	UL20276 (24AWGx1PAIR+DRAIN+AL+MYLAR)x4C 28AWGx5C+AL-FOIL+BRAID OVERALL; BLACK PVC JACKET	SEE	DWG

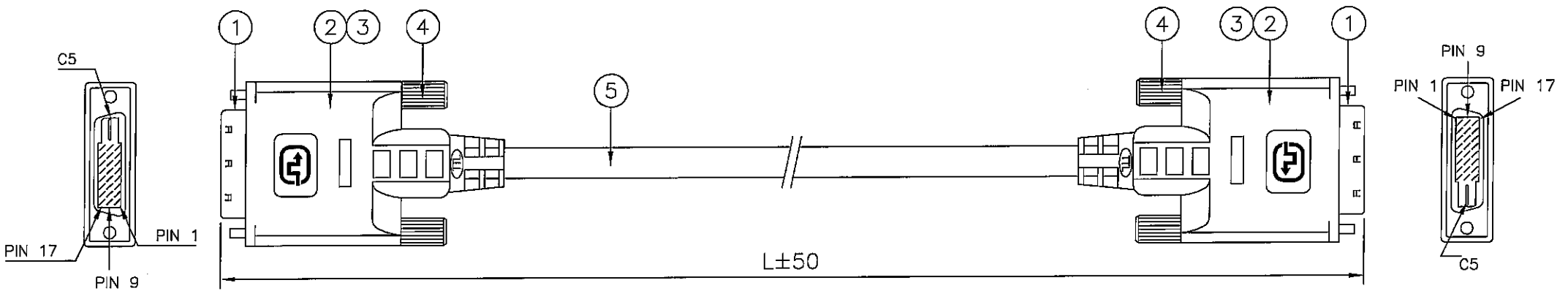
REV.	DESCRIPTION	DATE	REVISED BY
A	CHANGE CABLE COLOR & ADD LENGTH 30M	FEB.14.06	STANLEY
B	CHANGE WIRE MARKING	NOV.21.08	STANLEY

Part number: DVIMM-SLAC-L	Revision: B
RFQ number:	Drawing #: 041220-2
Drawn by: X.X.WANG	Scale: None
Checked by:	Date: 12/20/2004

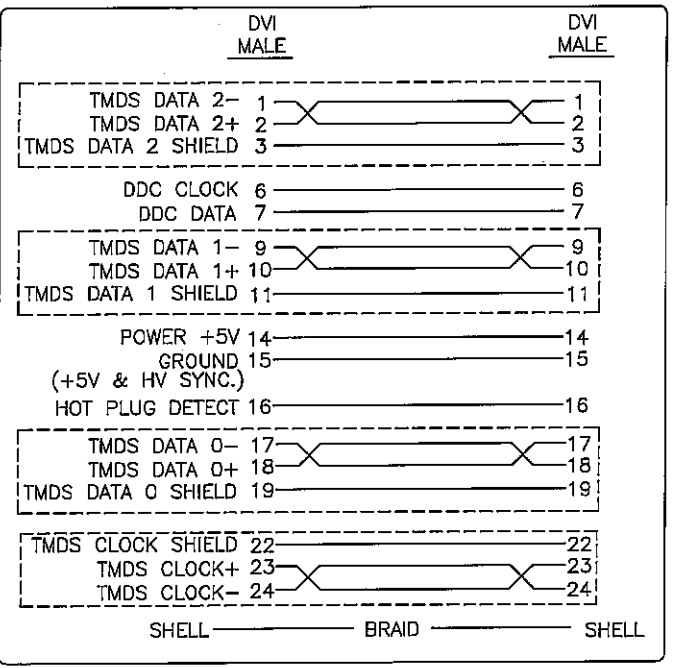
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CUSTOMER'S APPROVAL: _____ DATE: _____

FIRST ARTICLE SAMPLE REQUIRED: YES, NO.



PINOUT CONFIGURATION



NOTE:

1. THIS ITEM CONTAINS PAT. US 6,287,148 B1 RF-BLOK™ SHIELDING DESIGN.

△ D 2. WIRE MARKING:

spatz EXTREME DISTANCE SINGLE LINK CABLE **spatz**

P/N	L
SP-DVI-SDM/SDM-1M	1000
SP-DVI-SDM/SDM-2M	2000
SP-DVI-SDM/SDM-5M	5000
SP-DVI-SDM/SDM-10M	10000

UNIT: mm

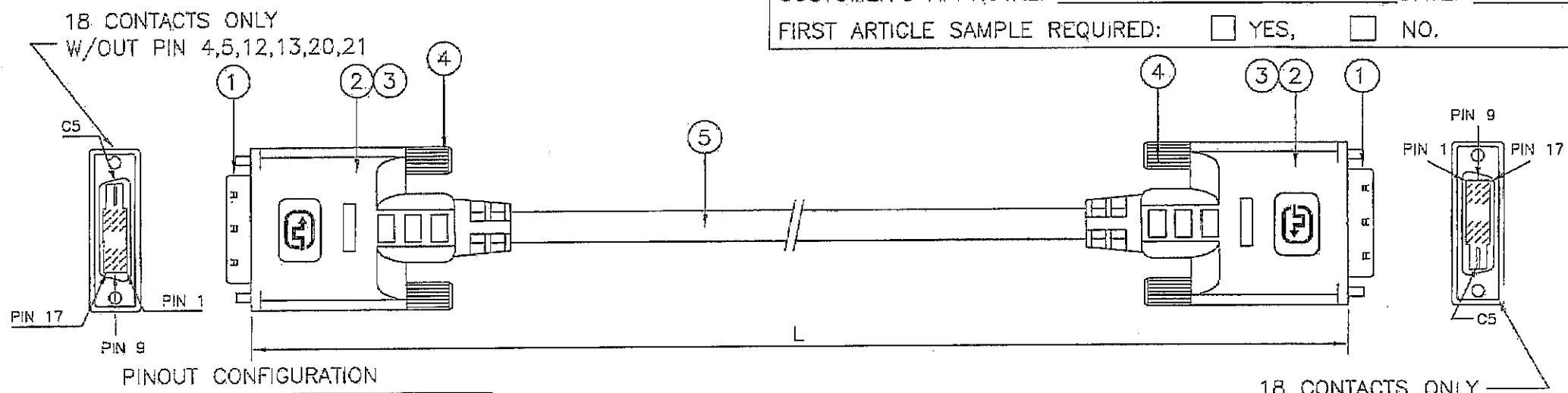
ITEM	DESCRIPTION	QTY.	UNIT
1	DVI MALE CONNECTOR	2	PCS.
2	TRANSPARENT MOLDED PVC HOOD	2	PCS.
3	RF-BLOK™	2	PCS.
4	TRANSPARENT COLOR #4/40 THUMBSCREW	4	PCS.
5	UL20276 (28AWGx1PAIR+AL-FOIL+DRAIN)x4C +(28AWG WIRE)x5C+AL-FOIL/MYLAR+BRAID OVERALL; BLACK COLOR PVC JACKET	SEE	DWG.

△ B

REVISED DETAILS			TTL P/N:	Revision:
REV.	DESCRIPTION	DATE	SP-DVI-SDM/SDM-L	D
A	ADD LENGTH TABLE	JUN.01.06	RFQ number:	Drawing #: 95040602
B	CHANGE CABLE COLOR	JUN.23.06	Drawn by: STANLEY	Scale: None
C	ADD LENGTH 10M	FEB.08.07	Checked by:	Date: 04/06/2006
D	CHANGE WIRE MARKING	APR.06.09		

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CUSTOMER'S APPROVAL: _____ DATE: _____
 FIRST ARTICLE SAMPLE REQUIRED: YES, NO.



18 CONTACTS ONLY
 W/OUT PIN 4,5,12,13,20,21

DVI MALE		DVI MALE	
TMDS DATA 2-	1	1	1
TMDS DATA 2+	2	2	2
TMDS DATA 2 SHIELD	3	3	3

DDC CLOCK	6	6	6
DDC DATA	7	7	7

TMDS DATA 1-	9	9	9
TMDS DATA 1+	10	10	10
TMDS DATA 1 SHIELD	11	11	11

POWER +5V	14	14	14
(+5V & HV SYNC.)	15	15	15
GROUND	15	15	15
HOT PLUG DETECT	16	16	16

TMDS DATA 0-	17	17	17
TMDS DATA 0+	18	18	18
TMDS DATA 0 SHIELD	19	19	19

TMDS CLOCK SHIELD	22	22	22
TMDS CLOCK+	23	23	23
TMDS CLOCK-	24	24	24

SHELL		BRAID	SHELL

NOTE:

- THIS ITEM CONTAINS PAT. NO:US 6,287,148 B1 RF-BLOK™ SHIELDING DESIGN
- WIRE MARKING:
 (TTL)® E193793R, AWM 20276 80°C 30V VW-1 TOTAL TECHNOLOGIES LTD.®
 DVI SINGLE LINK DIGITAL SUPER LOW ATTENUATION CABLE (SLAC™)

UNIT: mm

P/N	L±(mm)
SP-DVIS-40M	40000±250
SP-DVIS-50M	50000±250

ITEM	DESCRIPTION	QTY.	UNIT
1	DVI MALE CONNECTOR W/18 CONTACTS ONLY (18+1)	2	PCS.
2	TRANSPARENT MOLDED PVC HOOD	2	PCS.
3	PAT.US 6,287,148 B1 RF-BLOK™ SHIELDING METAL CAN	2	PCS.
4	TRANSPARENT COLOR #4/40 THUMBSCREW	4	PCS.
5	UL20276 (24AWGx1PAIR+DRAIN+AL+MYLAR)x4C+28AWGx5C +AL-FOIL+BRAID OVERALL; BLACK PVC JACKET	SEE	DWG.

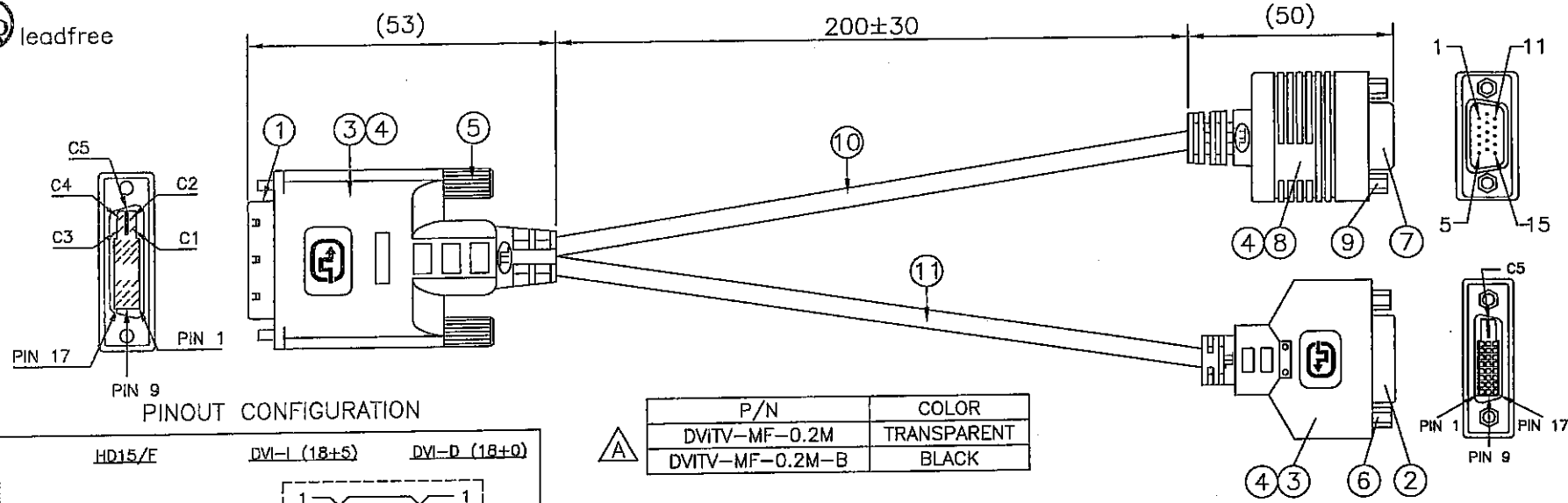
REVISED DETAILS		REVISED BY
REV.	DESCRIPTION	DATE

Part number: SP-DVIS-L	Revision: ORIG.
RFQ number:	Drawing #: 96041103
Drawn by: STANLEY	Scale: None
Checked by:	Date: 04/11/2007

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ALL MATERIAL ARE RoHS AND CALIFORNIA PROP.65 COMPLIANT

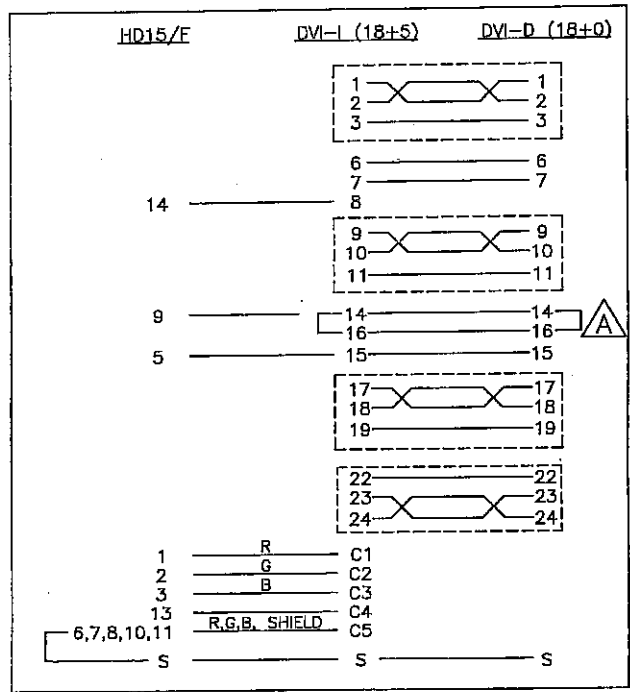
CUSTOMER'S APPROVAL: _____ DATA: _____
 FIRST ARTICLE SAMPLE REQUIRED: YES, NO.



P/N	COLOR
DVITV-MF-0.2M	TRANSPARENT
DVITV-MF-0.2M-B	BLACK

NOTE: 1. THIS ITEM CONTAINS PAT. US 6,287,148 B1 RF-BLOK™ SHIELDING DESIGN.

UNIT: mm



ITEM	DESCRIPTION	QTY.	UNIT.
1	DVI-I MALE CONNECTOR (18+5)	1	PCS.
2	DVI-D FEMALE CONNECTOR (18+0), C1-C5 NO PINS	1	PCS.
3	COLOR MOLDED PVC HOOD	2	PCS.
4	PAT.US 6,287,148 B1 RF-BLOK™ SHIELDING METAL CAN	3	PCS.
5	COLOR MOLDED #4/40 THUMBSCREW	2	PCS.
6	#4/40 HEXNUT	2	PCS.
7	HD-15P FEMALE CONNECTOR	1	PCS.
8	COLOR MOLDED PVC HOOD	1	PCS.
9	#4/40 HEXNUT	2	PCS.
10	UL20276 (28AWG COAX W/SPIRAL SHIELD NO JACKET)x3C+ (28AWG WIRE)x4C; AL-FOIL/MY+BRAID 85% OVERALL COLOR PVC JACKET, OD:6.2mm	SEE	DWG.
11	UL20276 (28AWGx1PAIR+AL-FOIL+DRAIN)x4C +(28AWG WIRE)x5C+AL-FOIL/MY+BRAID 85% OVERALL COLOR PVC JACKET, OD:7.0mm	SEE	DWG.

REVISED DETAILS			REVISED BY
REV.	DESCRIPTION	DATE	
A	CHANGE PINOUT AND COLOR	02.06.06	STANLEY

TTL P/N:	Revision:
SEE TABLE	A
RFQ number:	Drawing #: 041220-7
Drawn by: X.X.WANG	Scale: None
Checked by:	Date: 12/20/2006

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